

APPENDIX F

Olivenhain Municipal Water District's Best Management Practices Reports

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

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2001

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 09/05/1991, your Agency STRATEGY DUE DATE is: | 09/04/1993 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	3018	49
2. Number of surveys completed:	26	0

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|----------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | yes | yes |
| 9. Measure total irrigable area (Recommended but not required for surveys) | yes | yes |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Pacing |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | yes | yes |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | yes | yes |
| a. If yes, in what form are surveys tracked? | | database |
| b. Describe how your agency tracks this information. | | |

Contractor tracks number of surveys through database. We offer surveys through bill messages, newsletter articles, flyers in lobby and events, recommendations through customer service calls and direct mailing to top 20%water users.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2698	2049
2. Actual Expenditures	600	

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

Reported as of 10/1

BMP 02: Residential Plumbing Retrofit

Reporting Unit:

**Olivenhain Municipal Water
District**BMP Form Status:
100% CompleteYear:
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
- a. If YES, list local jurisdictions in your service area and code or ordinance in each:
2. Has your agency satisfied the 75% saturation requirement for single-family housing units? yes
3. Estimated percent of single-family households with low-flow showerheads: 75%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? yes
5. Estimated percent of multi-family households with low-flow showerheads: 75%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

The San Diego County Water Authority and its member agencies distributed over 500,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4.0%, while housing demolition is .5%. Effective January 1, 1994, showerheads manufactured in the United States must be 2.5 gpm maximum. OMWD continues to distribute showerheads in its lobby and at community events. This year it distributed 102.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
- a. If YES, when did your agency begin implementing this strategy? 1/1/1996
- b. Describe your targeting/ marketing strategy.

Marketing includes the following: - residential survey distribution - direct distribution to customers (lobby) - community event distribution - by customer request

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	102	0
3. Number of toilet-displacement devices distributed:	30	0
4. Number of toilet flappers distributed:	7	0
5. Number of faucet aerators distributed:	500	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 :		

We distribute devices purchased or left over from the previous year at community events and in our lobby throughout the year, but do not ask customers if they are single or multi-family so I have put all devices under single-family. We also do not monitor how many each customer takes. We simply restock every year on items such as hose nozzles, aerators, showerheads, dye tablets, rain gauges and sprinkler timers. I also was able to take showerheads from SDCWA and the City of Escondido. Whatever amount I receive is what we distribute. This year I found a box from the past that I used at a community event.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	700	1000
2. Actual Expenditures	709.94	

D. "At Least As Effective As"

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

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

SDCWA and its member agencies believe the region has satisfied the 75% saturation level and is pursuing grant money to fund a saturation study. OMWD continues to distribute showerheads and other devices.

E. Comments

Reported as of 10/1

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2001**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 18036
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 18586
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.97
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? yes
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

The District uses a leak detection engineering firm to investigate suspected leaks, pinpoint the source and repair immediately. With our soils, even small water leaks manifest as all water comes to the top. We have such small water loss in the system that there is no cost benefit to perform another full audit.

B. Survey Data

1. Total number of miles of distribution system line. 318
2. Number of miles of distribution system line surveyed. 318

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3000	3000
2. Actual Expenditures	2225.4	

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

Reported as of 10/1

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

Reporting Unit:

Olivenhain Municipal Water District

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:

Since OMWD was formed, all customers of the District have metered accounts and are billed by volume-of-use. We retrofit on a case by case basis.

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. 20

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

OMWD only installs landscape meters at the customer's request. All meters are billed by volume of use. We are mostly residential with few commercial meters.

Reported as of 10/1

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:

**Olivenhain Municipal
Water District**

BMP Form Status:

100% Complete

Year:

2001

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 503 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 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? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 8/10/1990 |
| b. Description of marketing / targeting strategy: | |

Our contractor prescreens potential customers by reviewing usage data records and comparing typical patterns of other industry or SIC water usage. Customers that exhibit unusually high water usage relative to the size of the property are sent a letter and a program brochure, inviting them to participate in the program. Dispersal of brochures to a variety of candidates, home owner's associations as well as large turf customers. Customers actually refer others to the program. All new customers are offered a survey.

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 100 |
| 3. Number of Surveys Completed. | 4 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | yes |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | yes |
| e. Measure Total Irrigable Area | yes |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | yes |
| a. If YES, describe below: | |

All customers receive an offer for a follow-up survey.

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. | no |
|---|----|

- Does your agency provide mixed-use accounts with landscape budgets?
- 2. Number of CII mixed-use accounts with landscape budgets. 0
- 3. Do you offer landscape irrigation training? yes
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	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
 - a. If YES, describe below:

New customer mailings include all conservation programs. Offer new customers use of videos Include article in customer newsletter. Water Awareness Month celebration advertising. Press releases to various newspapers.

- 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? yes
- 8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1500	1000
2. Actual Expenditures	1325	

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

Reported as of 10/1

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
Olivenhain Municipal Water District

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

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

San Diego Gas & Electric provided \$75 rebates on qualified high-efficiency clothes washers in their service area.

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

3. What is the level of the rebate? 125

4. Number of rebates awarded. 44

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1525	3266
2. Actual Expenditures	1100	

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

This agency provides vouchers and not rebates.

Reported as of 10/1

BMP 07: Public Information Programs

Reporting Unit:

**Olivenhain Municipal Water
District**

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

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

On-hold telephone message, website, newsletter, bill messages, video library available, landscaping classes held at the District, lobby brochures and giveaways, press releases, speaker's bureau, and community events and meetings are all a part of our program.

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	yes	1
c. Bill Inserts / Newsletters / Brochures	yes	8
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	
f. Special Events, Media Events	yes	3
g. Speaker's Bureau	yes	3
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	30000	33000
2. Actual Expenditures	30850	

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

SDCWA has a regional program that includes: advertising in local newspapers Public Service Announcements (PSA) Demonstration garden Community Events Monthly Public Information Officer's Meeting Speaker's Bureau Water Awareness Month Regional Recycled Water Certification Workshops

Reported as of 10/1

BMP 08: School Education Programs

Reporting Unit:
Olivenhain Municipal Water District

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-3rd	yes	0	0	0
Grades 4th-6th	yes	9	229	0
Grades 7th-8th	yes	3	76	0
High School	yes	0	0	0

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

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

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3000	2000
2. Actual Expenditures	1060	

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

OMWD brings the Splash Science Mobile Lab to schools within its district. It provides classroom presentations for all ages. Lessons are given at its recreational park. It takes part in a water awareness campaign for San Diego's North County. It participates in the CSDA scholarship for high school seniors. It provides adult education classes on landscaping and conservation. SDCWA provides educational programs including magic shows, traveling libraries, and experiments for teachers to use.

Reported as of 10/1

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Olivenhain Municipal
 Water District**

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

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

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | 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.	21.94
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	600	641
2. Actual Expenditures	641	

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

OMWD takes part in the regional program through SDCWA. It markets the programs through newsletters, bill messages and at community events.

Reported as of 10/1

BMP 09a: CII ULFT Water Savings

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2001

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? Service area zones
CII Sector or subsector
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.

Our CII voucher incentive program contractor, HDMC has been a significant player in the promotion of water-efficient products in San Diego County. Working in cooperation with WSA marketing and communications firm, HDMC has conducted extensive education, outreach, public relations, advertising and direct marketing activities. HDMC have created relationships with the owners, managers and related customer service supervisors and staff and water-efficient product suppliers from valley Center to San Ysidro for the past five years. Partnerships have been established with business owners, as well as employees at wholesale and retail suppliers. Understanding of supplier's business profiles, sales operations and accounting policies and procedures are key to the success of the program. Working relationships and/or quality data has been gathered on over 200 plumbers. Dealers sign contracts each year in order to participate in a program that is responsible for increasing their sales substantially.

2. How does your agency advertise this program? Check all that apply. Bill insert
Bill message
Newsletter
Telephone
Web page
Newspapers
Trade publications
Other print media
Trade shows and events

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

Relationships with the retail/wholesale outlets displaying marketing materials and knowing the program details. Adds in newspapers are also effective.

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? Yes

3. What is the total number of customer accounts participating in the program during the last year ? 5

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	4	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	1	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? Yes

a. If yes, check all that apply. Consultant
Plumbing contractors/subcontracts

7. Participant tracking and follow-up. Letter
Telephone
Site Visit

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 4
- b. Inadequate payback 5
- c. Inadequate ULFT performance 3
- d. Lack of funding 5
- e. American's with Disabilities Act 2
- f. Permitting 2
- g. Other. Please describe in B. 9. 0

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

The Regional CII voucher Incentive Program continues to increase in popularity in the San Diego region. Extensive marketing by our contractor, coupled with member agency support, has proven successful.

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?

Contrator does a great job in marketing. District does not have adequate staff to market the program at teh agency level. Woudl like to increase involvement, althoguht the majority of our Distrcit is single-family homes.

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	220
b. State agency contribution	0
c. Federal agency contribution	0
d. Other contribution	150
e. Total	370

D. Comments

SDG&E contribution in other

Reported as of 10/1

BMP 11: Conservation Pricing

Reporting Unit:
Olivenhain Municipal Water District

BMP Form
 Status:
100% Complete

Year:
2001

A. Implementation**Rate Structure Data Volumetric Rates for Water Service by Customer Class****1. Residential**

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$14768668
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$16065755

2. Commercial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Increasing Block
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Increasing Block
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	Increasing Block
b. Sewer Rate Structure	Increasing Block
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Increasing Block
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0

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	10000
2. Actual Expenditures	7074	

C. "At Least As Effective As"

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

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

D. Comments

We cannot differentiate sales.

Reported as of 10/1

BMP 12: Conservation Coordinator

Reporting Unit:

**Olivenhain Municipal Water
District**BMP Form Status:
100% CompleteYear:
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: San Diego County Water Authority
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 20%
 - b. Coordinator's Name Teresa Chase
 - c. Coordinator's Title Community Services Rep/Administrative Assistant
 - d. Coordinator's Experience and Number of Years 4 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 1/1/1992
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	5700	3800
2. Actual Expenditures	6495	

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

Reported as of 10/1

BMP 13: Water Waste Prohibition

Reporting Unit:

**Olivenhain Municipal
Water District**

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? no

a. If YES, describe the ordinance:

We had an ordinance after the drought was declared in the early nineties, but do not have the jurisdiction to prohibit certain water uses as we are a municipal water district.

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:

<p>City of Encinitas, City of Carlsbad, City of San Diego</p>	<p>The City of Carlsbad has a "Carlsbad Water Ethic" that makes recommendations for on watering hours, sweeping instead of hosing, etc. There are no water waste ordinances for our area.</p>
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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 | no |
| b. Single-pass cooling systems for new connections | no |
| c. Non-recirculating systems in all new conveyor or car wash systems | no |
| d. Non-recirculating systems in all new commercial laundry systems | no |
| e. Non-recirculating systems in all new decorative fountains | no |
| f. Other, please name | no |

2. Describe measures that prohibit water uses listed above:

OMWD does not have jurisdiction to prohibit any water uses, it can only make recommendations.

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? yes

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

Ordinance 204, adopted during drought of late eighties, early nineties. AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT IMPOSING WATER CONSERVATION MEASURES BE IT ORDAINED by the Board of Directors of the Olivenhain Municipal Water District as follows: SECTION 1: Declaration of Policy. Water Code Section 71640 et seq., authorizes the District to impose water conservation measures and to restrict the use of water during any emergency caused by drought or other threatened or existing water shortage. The Board of Directors hereby establishes a comprehensive water conservation plan pursuant to Water Code Sections 71640 et seq., based upon an existing water shortage. SECTION 2: Findings. The Board of Directors finds and determines that a water shortage exists based upon the following facts: (a) The Governor has declared that precipitation in the State of California, for this water year to date, is approximately 50% of average. (b) Unprecedented weather conditions have resulted in five consecutive years (1987, 1988, 1989, 1990, 1991) of below normal precipitation and run-off resulting in a statewide water shortage. (c) The District is dependent upon water distributed through the California Aqueduct system and the Colorado River aqueduct by the Metropolitan Water District and the San Diego County Water Authority to provide water service to its customers. This is the sole source of supply to the District. The Metropolitan Water District of Southern California has notified the District that existing water demand will require a 30% reduction in water presently being provided to the San Diego County Water Authority. (d) The San Diego County Water Authority has notified the District that a drought condition exists and that effective April 11, 1991, a reduction in deliveries to member agencies of 20% of 1989-1990 deliveries, subject to minor adjustments for prior conservation efforts and growth, shall be invoked. (e) It is considered critical for the well being of the citizens within the Olivenhain Municipal Water District that existing water supplies be husbanded and future supplies be uniformly allocated so that water, essential for domestic use, sanitation, and fire protection, will remain available throughout the duration of the drought. (f) On April 11, 1991, the San Diego County

Water Authority determined that in order to achieve the savings necessary to comply with reductions in deliveries, that the Water Authority recommends that each member agency implement conservation programs substantially equivalent to those set forth in the Authority's Drought Response Plan of February 14, 1991. (g) The District has solicited and received advice and direction from the San Diego County Water Authority, the Metropolitan Water District of Southern California, the State Department of Water Resources, other member agencies of the Water Authority, the Cities of San Diego, Carlsbad and Encinitas, customers, businesses, professional organizations, members of the public, and other entities at various meetings and through numerous communications both written and oral, including a public meeting held on February 21, 1991, at 10:00 a.m., a public meeting held on March 21, 1991 at 9:00 a.m., and a public meeting held on April 18, 1991 at the District's Administration Office. (h) It is considered critical that mandatory restrictions on the use of water by District customers to conserve remaining water supplies be adopted. Experience of other agencies within California facing severe limitations on water supplies has demonstrated that prohibitions of certain uses, pricing structures, and limitations on deliveries have been found necessary to preserve water supplies for essential services and to allocate remaining supplies in a fair and uniform manner, with particular regard for domestic, sanitation, and fire protection. SECTION 3: CEQA Exemption. The District finds that this action is the result of the unexpected occurrences, above described, which involve clear and imminent danger demanding immediate action to mitigate damage to life, health and property from the loss of an essential public service - the delivery of public water supplies, and, therefore, it is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Sections 21080 (b) (4), 21060.3 Title 14, California Code of Regulations, Section 15269 (c). SECTION 4: Declaration of Water Shortage and Application. It is hereby determined and declared that, based upon the foregoing facts, the District is unable to provide sufficient water supplies to meet the ordinary demands and requirements of its customers without depleting available water supplies to the extent that insufficient water would be available for all needs of the District's customers. The provisions of this Ordinance shall apply to all persons, customers, and property served by the District wherever situated and for all imported water being provided by the District. SECTION 5: Authorization. Upon adoption of this Ordinance, the District's General Manager, or his designated representative, is hereby authorized and directed to implement the provisions of this Ordinance based upon his determination that such implementation is necessary to protect the public health, safety, and welfare. The declaration of each water conservation stage and/or water emergency shall be deemed implemented upon publication two (2) times in a newspaper of general circulation in the District. SECTION 6: Definitions for Potable Water Use Prohibitions (a) "Potable Water" means filtered or unfiltered water delivered by the District which meets drinking water standards or upon disinfection meets drinking water standards, i.e. raw water. (b) "Active public park and school ground areas" means areas designated by public agencies and private schools for specific sporting and recreational activities and those areas traditionally used for active play or recreation where turf is an integral part of the activity. (c) "Reclaimed water" means water which, as a result of treatment of wastewater, is suitable for a direct beneficial use or controlled use that would not otherwise occur. (See Water Code Section 13050(n).) (d) "Greywater" is household wastewater other than toilet water, i.e., water from laundry, shower, tub, bathroom and kitchen sinks. Its use is presently prohibited by the San Diego County Department of Health Services. The exception mentioned for greywater in this Ordinance depends solely upon approval of such

use by the County of San Diego Health Services according to issued rules and regulations. (e) "Micro irrigation systems/equipment" means low pressure, low volume methods of water application. These devices include drip emitters, T-tape, microsprayers, mini-sprinklers, twirlers, and spaghetti tubing. Pop-up sprinklers are not considered low-volume, low pressure irrigation systems/equipment. (f) "Normal Water Demand" means the expected water use for the use or development requiring the meter during times of unrestricted water deliveries. (g) "Recreational and Ornamental Lakes and Ponds" are those bodies of water which are not swimming pools, water storage reservoirs for the purpose of drinking water, or irrigation supply, or pool which maintain rare plant or animal species. (h) "Conservation offset" means the implementation of proven conservation techniques which, when installed, will result in a reduction equal to demand of the proposed use. Calculation of demand and saving shall be performed or verified by the General Manager based upon non-drought conditions (normal conditions). (i) "Fire Protection" means actions for prevention of suppression of fires as directed by the Fire Marshall or Fire Prevention offices with jurisdiction over the local area involved. (j) "Ground Cover" means continuous homologous, cultivated planting(s) other than grass, turf, lawn or "weeds", utilized for decorative purposes, erosion control, fire protection or a combination of the above uses.

SECTION 7: Water Conservation Stages. During the period this Ordinance is effective, no customer of the District shall knowingly make, cause, use, or permit the use of water supplied by the District for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Ordinance, in an amount in excess of the amounts authorized by this Ordinance or during any period of time other than the periods of time specified in this Ordinance.

(A) Stage 1. Normal Supply Level Available. Stage 1 applies during periods when a normal supply and distribution capacity is available, while at the same time demand levels are not expected to significantly increase in the immediate future. Elements of Stage 1 include: (1) Implementation of the District's adopted Urban Water Management Plan and Conservation Program. (2) Adoption of a District policy which is an action plan for implementation of water conservation techniques. (All elements shall apply as in Stage 2, but voluntary basis only.) (3) The failure to repair a controllable leak is defined as "waste of water" and is prohibited at all times. (4) All new indoor meter applicants must provide a plan indicating installation of 2.5 gpm showerheads and 1.6 gallon flush toilets. (5) All new meters that will be used wholly or partially for landscape irrigation shall not be issued without the submittal of appropriate plans incorporating principles of low water use landscaping and irrigation systems. (6) Changes to existing landscaping and turf areas or the addition of new landscaping or turf areas shall utilize principles of low water use landscaping and irrigation systems.

(B) Stage 2. Mandatory Compliance - Water Alert. Stage 2 applies during periods when the probability exists that the District will not be able to meet all of the water demands of its customers. Implementation of Stage 2 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 10%. During Stage 2, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 6:00 p.m. and 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a drip irrigation system is used. Properties with addresses ending in an even number may use water on Monday, Thursday, and Saturday evenings until the

following morning. Addresses ending in an odd number may use water on Tuesday, Friday, and Sunday evenings until the following morning. (2) Agricultural users and commercial nurseries as defined in the Metropolitan Water District Code are exempt from Stage 2 irrigation restrictions, but will be required to curtail all non-essential water use. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling swimming pools, spas, ponds, and artificial lakes is permitted only on designated irrigation days. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 6:00 p.m. and 9:00 a.m. the following morning, except golf course greens and propagation beds. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire, safety, or sanitation hazard. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any non-recirculating ornamental fountain or similar structure is prohibited. (C) Stage 3. Mandatory Compliance - Watering Warning. Stage 3 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 3 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 15%. During Stage 3, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 4:00 p.m. to 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a micro-irrigation system/equipment is used. A "designated irrigation day" is determined by the last digit in the street address. Properties with addresses ending in an even number may use water on Tuesday and Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday and Thursday evenings until the following morning. (2) Agricultural users and commercial nurseries shall reduce water use by an amount to be determined at the time of declaration. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. The use of water by all types of commercial car washes not using partially reclaimed or recycled water shall be reduced in volume by an amount to be determined at the time of declaration. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport

food and perishables. (4) Filling or refilling of swimming pools and spas is permitted only on designated irrigation days between the hours of 4:00 p.m. and 9:00 a.m. the following morning. The filling or refilling of ornamental lakes and ponds is prohibited. Irrigation reservoirs may be exempted when specifically requested. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 4:00 p.m. and 9:00 a.m. the following morning, except golf course greens. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire or sanitation hazards. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any ornamental, non-recirculating fountain or similar structure is prohibited. (10) New construction meters or permits for unmetered service shall not exceed the existing number of currently authorized meters. A new meter shall be issued only when an old meter is returned. Construction projects requiring water from a construction meter or a water truck shall not use water unnecessarily for any purposes other than those required by regulatory agencies. (D) Stage 4. Mandatory Compliance Water Warning. Stage 4 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 4 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 20%. During Stage 4, the following water conservation measures shall apply, including all provisions and conditions of Stage 3, except when reclaimed water is used: (1) All water users shall minimize water use. (2) Shower and sink warm up water shall be captured with a bucket and used outdoors or to flush toilets. (3) All golf courses, parks, school grounds, and recreational fields must reduce from their base 1989-1990 usage by a volume of not less than 20% at the time of declaration, or for new projects a base allocation to be determined by the General Manager. (4) Agricultural users and commercial nurseries shall reduce water use by an amount not less than 20%. (5) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels and restaurants may be reduced in volume by an amount to be determined by the General Manager. (E) Stage 5. Mandatory Compliance Water Warning. Stage 5 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 5 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 30%. During Stage 5, the following water conservation measures shall apply, including all provisions and conditions of Stage 4, except when reclaimed water is used: (1) All lawn and turf watering, other than golf courses, shall be limited to one day per week between the hours 6:00 p.m. and 9:00 a.m. the following morning. Properties with addresses ending in an even number may use water on Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday evenings until the following morning. All Homeowners Associations may use water on Wednesday evenings until the following morning. (2) All construction water must be reclaimed or from a non-imported source unless the District determines in its sole discretion that those sources are not reasonably available. (3) Washing at home of autos, trucks, trailers, boats, airplanes and other types of mobile equipment is prohibited except with water captured from sink and bath warm-up water or other

recovered water in a handheld bucket. (4) All new meter applicants must mitigate their specific impact upon the water supply by participating in a toilet/showerhead retrofit program or contributing to a reclaimed water project such that an off-setting supply of "new" water capacity is created, prior to the District's issuing a new water meter(s). (5) All golf courses, hotels, motels, and resorts must reduce a minimum of 30% from their 1989-1990 base usage or for new projects a base allocation to be determined by the General Manager. (F) Stage 6. Mandatory Compliance. Stage 6 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 6 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 40%. During Stage 6, the following water conservation measures shall apply, including all provisions and conditions of Stage 5, except when reclaimed water is used: (1) No outdoor watering shall occur between 9:00 a.m. and 4:00 p.m. except when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations) or private well water. Anyone using such water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (2) Washing of personal vehicles other than in commercial carwashes or commercial vehicles for reasons of public health and safety is prohibited except when water used has been salvaged from indoor use, i.e., warmup water from showers, sinks, and/or lavatories. (3) There shall be no filling of new pools, new spas, or new fountains from imported sources. (4) Golf courses shall reduce water use by 40%. (G) Mandatory Compliance - Water Emergency. A Water Emergency applies when a major failure of any supply or distribution facility, whether temporary or permanent, occurs in the water distribution system of the State Water Project, Metropolitan Water District, San Diego County Water Authority, or District facilities, when the District determines that a water shortage exists for any reason, requiring use reductions of 50% or more. It is anticipated that these measures will result in a reduction of water use from a base allocation to be determined at the time of declaration by a volume of not less than 50%. During a Water Emergency, the following potable water use prohibitions shall apply, including all provisions and conditions of Stage 6, except when reclaimed water or well water is used. (1) General Requirement (a) All water users are expected to minimize water use for the duration of the drought emergency. All classes of water, including agricultural use, are expected to achieve a fifty percent reduction in use from the base allocation, as determined by the General Manager, except where specifically relieved of such reduction by the Board of Directors. Indoor uses will, in general, be reduced by such practices as fewer and shorter showers and baths, no running water while brushing teeth and shaving, full loads in dish and clothes washers, avoidance of unnecessary toilet flushing, frequent checking and repairing of leaks, and other conservation practices. (2) Potable Water Use Prohibitions. (a) Irrigation of Turf. Irrigation of turf with potable water is prohibited except under the following circumstances: 1. for active public park and school ground areas no more than twice weekly; 2. at day care centers where required by license no more than twice weekly; 3. for purposes of maintaining public safety (such as fire protection); and 4. when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. 5. at public parks, where trees and shrubs are interspersed amidst turf supported by the same irrigation system, provided the area of irrigation is

within the drip line of each tree or shrub and irrigation is no more than once every two weeks. (b) Irrigation of Ground Cover. Irrigation of ground cover with potable water is prohibited except under the following circumstances: 1. for fire protection; 2. where trees and shrubs are interspersed amidst ground cover supported by the same irrigation system; and 3. for preservation of existing ground cover which is designed to stabilize slopes. Irrigation of ground cover under this Section is restricted to once every 14 days. (c) Irrigation of Trees, Shrubs, Including Certified Agricultural Production Outside irrigation of trees, shrubs, and other plants which are not turf or ground cover, is allowed only by hand-held hose with positive shut-off nozzle, bucket, or micro irrigation systems/equipment. Sprinkler systems may only be used for certified agricultural production, watering active public park and school ground areas, maintenance of ground cover in accordance with this Ordinance and for purposes of maintaining public safety such as, fire protection. (d) Irrigation Water Hours. No outdoor irrigation shall occur between 9:00 a.m. and 4:00 p.m., except when using a micro irrigation system/equipment, or for certified agricultural production, or when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. Anyone using reclaimed water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (e) Hosing or Spraying of Paved or Hard Surfaces. Hosing paved or hard surfaces including, but not limited to, sidewalks, driveways, patios, streets and parking areas is prohibited except for compelling public health and safety reasons. Allowed hosing activities shall be done only with a hose equipped with a positive shut-off nozzle. Spraying hard surfaces during irrigation activities is prohibited. (f) Runoff and Repairing of Leaks. All runoff from outside water usage from property is prohibited. Leaks to irrigation and plumbing systems shall be immediately repaired. (g) Filling of Pools and Spas. Filling of new pools and spas is prohibited except under the following circumstances: 1. where the owner can produce and demonstrate a conservation offset; or, 2. where the owner can produce evidence that private well water meeting public health standards will be utilized. Draining of existing pools is prohibited except under orders of the appropriate local health or building official. (h) Recreational and Ornamental Lakes and Ponds. Recreational and ornamental lakes and ponds may not be filled or refilled except with reclaimed water or private well water. Lakes and ponds utilizing reclaimed water at other than a private residence shall post signs around the lakes and ponds of where such water is being used noticing such usage. (i) Golf Course Irrigation. Golf courses may use potable water supplied by the District only to irrigate tees and greens. Irrigation of fairways and roughs with potable water or any blend thereof is prohibited. Golf courses irrigating with reclaimed water shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet where such water is being used noticing such usage. (j) Restaurants. Restaurants shall serve water only upon request. (k) Ornamental Fountains. Operation of ornamental fountains is prohibited except when private well water or reclaimed water is used. Ornamental fountains utilizing reclaimed water at other than a private residence, shall post signs around the ornamental fountain of where such water is being used, noticing such usage. (l) Washing of Vehicles. Washing of vehicles is prohibited except: 1. in commercial car washes; 2. commercial vehicles for reasons of public health and safety; 3. where water has been salvaged from indoor use, e.g. warmup water from showers, sinks, and/or lavatories; or 4. by a mobile high-pressure/low volume service. (m) New Services. Except as to property for which a building permit has been heretofore issued, no new potable

water shall be provided, no new temporary meters or permanent meters shall be provided and no commitments (such as, will serve letters, certificates or letters of availability) to provide potable water service shall be issued, except for the following circumstances: 1. the commitment includes a notice that a water shortage emergency prevails, resulting in a water moratorium and no water service is currently available; 2. for projects necessary to protect the public's health, safety, and welfare; 3. when it can be demonstrated that no net increase in potable water use will occur; or 4. when a conservation offset is provided. (n) Certified agricultural irrigation shall reduce 50% from the 1989-1990 base year. Certified agricultural irrigation may be discontinued for varying durations, as determined necessary by the District's General Manager depending upon the circumstances of the water emergency. (o) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels, and restaurants shall be reduced in volume by 50% from the base allocation for that user. These users shall be monitored by the District to ensure compliance with the 50% reduction. Any such user who exceeds their 50% reduction by 10% or more during any period monitored by the District shall have a flow restrictor installed at the user's expense until the user's total use for the year no longer exceeds a 50% reduction from that users base allocation. All fees and charges for the removal of the restrictor shall be paid by the user.

SECTION 8: Grounds for Appeal. A customer may file with the General Manager a written request for review of issue(s) regarding the restriction and use of water and/or the mandatory prohibitions on the use of potable water. No customer of the District shall be entitled to appeal any restriction on potable water usage unless the customer can demonstrate that the customer's allocation is insufficient for health, sanitary, or fire protection purposes. Appeals seeking increased allocations for other purposes shall be summarily rejected and will not be considered by the General Manager. A customer may, following review of the appeal by the General Manager, request a hearing by the Board of Directors. The hearing shall be scheduled at the Board's next regular meeting or at a special meeting scheduled for that hearing. The customer may appear before the Board or present written testimony and documentation considered appropriate for proper understanding and evaluation of the claim and basis for appeal. The District shall mail written notice of the hearing to the customer before the date of said hearing.

SECTION 9: Mandatory Conservation Phase Implementation. The Superintendent of Maintenance and Operations shall monitor the projected supply and demand for water by its customers on a daily basis during periods of emergency or drought and shall recommend to the General Manager the extent of the conservation required through the implementation and/or termination of particular conservation stages in order for the Water Operations Department to prudently plan for and supply water to its customers. Thereafter, the General Manager may order that the appropriate phase of water conservation be implemented or terminated in accordance with the applicable provisions of this Ordinance. Said order shall be made by public announcement and shall be published once a month for three months or until the Stage Alert has been lifted, whichever is the least amount of time, in a daily newspaper of general circulation and shall become effective immediately upon such publication.

SECTION 10: Violation of Stage 2 through Stage 6 and/or a Water Emergency. Any customer of the District who violates any provision of a Stages 2 through Stage 6 and/or a Water Emergency shall receive a warning letter on the first violation accompanied by a copy of the appropriate section(s) of this Ordinance. Any customer who commits a second violation of any provision of Stage 2 through Stage 6 and/or a Water Emergency shall pay a fine of \$50 for each violation of Stage 2 or Stage 3; \$75 for each violation of Stage 4 or Stage 5; and \$100 for each

violation of Stage 6 and/or a Water Emergency. Any customer of the District committing a third violation shall pay a fine of \$100 for each violation of Stage 2 or Stage 3; \$150 for each violation of Stage 4 or Stage 5; and \$200 for each violation of Stage 6 and/or a Water Emergency. Any customer of the District who violates a Stage 2 through Stage 6 and/or a Water Emergency more than three (3) times shall pay a fine of \$200 for each violation of Stage 2 or Stage 3; \$300 for each violation of Stage 4 or Stage 5; and \$400 for each violation of Stage 6 and/or a Water Emergency. In addition, where a customer of the District has violated any Stage 2 through Stage 6 and/or a Water Emergency restrictions more than three times, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) discontinuance of water service for such period of time as the Board of Directors determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors of the District shall be final and not subject to further appeal. The failure of any customer to pay a fine levied by this Ordinance shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose water service has been restricted or terminated as a result of violation of this Ordinance shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 11: Violation of Water Emergency. During periods of a water emergency, water consumption may be limited and allocated with penalties imposed for usage above one's allocation. The District's General Manager shall determine the allocation rate for every service connection in the District, based upon an assessment of the current and projected water supply and the availability of this supply to the community. The rate shall be determined as far in advance as possible and shall be applied fairly and equitably to all classes of water service. Notification of each customer's allocation shall be given by letter to The last known address of the customer as shown on District records and shall be effective beginning with the last billing period following the date the letter is mailed.

SECTION 12: Allocation Violations. In addition to the penalties for violation of potable water use prohibitions, as set forth in Section 9, a customer who exceeds an established allocation shall be subject to the following penalties: (a) A customer who exceeds an established allocation shall pay a surcharge rate of five (5) times the rate for the highest tier established in the Water Rate Ordinance per HCF (Hundred Cubic Feet) of water for all water used in excess of the allowable allocation during a first billing period in which the excess occurs. (b) A customer who exceeds the customer's allocation for two or more billing periods shall pay a surcharge of ten (10) times the rate for the highest tier established in the Water Rate Ordinance rate, per HCF, for water in excess of the allowable allocation during the second and subsequent billing periods. As used herein, "excess water" means the amount of water delivered in excess of the allocation rate as set by the General Manager. (c) If a customer continues to exceed the established allocation for two or more consecutive billing periods, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) termination of water service for such period of time as the District determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors shall be final and not subject to further appeal. The failure of any customer to pay the surcharges shall be grounds for termination of water service. Termination

notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose service is terminated shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 13: No Tampering With Flow Restrictors. A flow restrictor or other device, once installed by the District, may not be removed or tampered with in any manner or for any purpose by other than authorized District personnel acting with the authority of the General Manager. Tampering or removing of such a fixture without authorization will result in the immediate discontinuance of service at the customer's expense and until the articles and provisions of this Ordinance as herein set forth are fully complied with.

SECTION 14: Authority to Enter Premises. Authority and permission to enter upon private premises, for the purpose of inspecting outside water systems as to compliance with the articles and provisions of this Ordinance, shall be granted to authorized water district personnel upon presentation of official identification and clear statement of purpose to conduct water conservation enforcement activities. Those authorized personnel on official business shall be allowed free access at all reasonable hours to any premises supplied with the District water. Any owner or occupant of any premises who refuses admittance to, or hinders or prevents inspection by, an authorized employee of the Water District may, after , written notice setting a hearing date before the Board of Directors, have all water service discontinued. At the hearing, the customer shall be entitled to introduce testimony and evidence justifying denial of the right to inspect and any medical hardships caused by the termination.

SECTION 15: No Unauthorized Use of District Identification. No unauthorized person shall possess, carry, wear, or exhibit any badge or other official identification of the Water District, nor shall any person, whether or not possession is authorized, display, exhibit, or cause to be exhibited any badge or other official identification of the Water District at any time, place, or in any manner or for any purpose which is not authorized by the General Manager.

SECTION 16: Effective Date and Repeal. This Ordinance shall take effect immediately upon adoption. Within ten (10) days after adoption, this Ordinance shall be published one (1) time in a newspaper of general circulation in the District. This Ordinance shall remain effective until repeal by the Board of Directors of the Olivenhain Municipal Water District. Ordinance No. 203 is hereby repealed. **PASSED, ADOPTED, AND APPROVED** by the Board of Directors of the Olivenhain Municipal Water District at the regular Board meeting held on April 18, 1991, by the following roll call vote: **AYES:** Directors Miller, Golem, Gano, Peay, Denk **NOES:** None **ABSTAIN:** None **ABSENT:** None

Harold L. Gano, President
Board of Directors Olivenhain Municipal Water District **ATTEST:**

Harley L. Denk, Secretary
Board of Directors Olivenhain Municipal Water District

Reported as of 10/1

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
Olivenhain Municipal Water District

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

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	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	601	76
Total	601	76

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

Through this program, participating residential customers are offered a voucher redeemable for up to \$75 off the purchase price. Voucher can only be used to replace toilets that are 3.5 gpf or more. The ULFT voucher incentive program has extensive marketing research.

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

Same as 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:

City of San Diego	Retrofit upon resale ordinance
-------------------	--------------------------------

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	14958.74	16652
2. Actual Expenditures	13902.06	

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

Reported as of 10/1

BMP Report

FY 2002

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

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2002

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 09/05/1991, your Agency STRATEGY DUE DATE is: | 09/04/1993 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	3158	53
2. Number of surveys completed:	37	0

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|----------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | yes | yes |
| 9. Measure total irrigable area (Recommended but not required for surveys) | yes | yes |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Pacing |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | yes | yes |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | yes | yes |
| a. If yes, in what form are surveys tracked? | | database |
| b. Describe how your agency tracks this information. | | |

Contractor tracks number of surveys through database. We offer surveys through bill messages, newsletter articles, flyers in lobby and events, recommendations through customer service calls and direct mailing to top 20%water users.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2049	2000
2. Actual Expenditures	1372.5	

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

Reported as of 10/1

BMP 02: Residential Plumbing Retrofit

Reporting Unit:
Olivenhain Municipal Water District

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

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? yes
3. Estimated percent of single-family households with low-flow showerheads: 75%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? yes
5. Estimated percent of multi-family households with low-flow showerheads: 75%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

The San Diego County Water Authority and its member agencies distributed over 500,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4.0%, while housing demolition is .5%. Effective January 1, 1994, showerheads manufactured in the United States must be 2.5 gpm maximum. OMWD continues to distribute showerheads in its lobby and at community events.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
 - a. If YES, when did your agency begin implementing this strategy? 1/1/1996
 - b. Describe your targeting/ marketing strategy.

Marketing includes the following: - residential survey distribution - direct distribution to customers (lobby) - community event distribution - by customer request

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	75	0
3. Number of toilet-displacement devices distributed:	0	0
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	300	0
6. Does your agency track the distribution and cost of low-flow devices?		no
<ol style="list-style-type: none"> a. If YES, in what format are low-flow devices tracked? b. If yes, describe your tracking and distribution system : 		

We distribute devices purchased or left over from the previous year at community events and in our lobby throughout the year, but do not ask customers if they are single or multi-family so I have put all devices under single-family. We also do not monitor how many each customer takes. We simply restock every year on items such as hose nozzles, aerators, showerheads, dye tablets, rain gauges and sprinkler timers.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1000	1000
2. Actual Expenditures	1009.08	

D. "At Least As Effective As"

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

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

SDCWA and its member agencies believe the region has satisfied the 75% saturation level and is pursuing grant money to fund a saturation study. OMWD continues to distribute showerheads and other devices.

E. Comments

Reported as of 10/1

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**Olivenhain Municipal Water
District**

BMP Form Status:

100% Complete

Year:

2002**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 20227.1
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 21741
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.93
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? yes
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

The District uses a leak detection engineering firm to investigate suspected leaks, pinpoint the source and repair immediately. With our soils, even small water leaks manifest as all water comes to the top. We have such small water loss in the system that there is no cost benefit to perform another full audit.

B. Survey Data

1. Total number of miles of distribution system line. 318
2. Number of miles of distribution system line surveyed. 318

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3000	3000
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

Reported as of 10/1

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

Reporting Unit:

Olivenhain Municipal Water District

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:

All customers are required to have meters and are billed by volume of use. Retrofits are performed on an as needed basis.

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. 20

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

Reported as of 10/1

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:

**Olivenhain Municipal
Water District**

BMP Form Status:

100% Complete

Year:

2002

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 532 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 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? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 8/10/1990 |
| b. Description of marketing / targeting strategy: | |

Our contractor prescreens potential customers by reviewing usage data records and comparing typical patterns of other industry or SIC water usage. Customers that exhibit unusually high water usage relative to the size of the property are sent a letter and a program brochure, inviting them to participate in the program. Dispersal of brochures to a variety of candidates, home owner's associations as well as large turf customers. Customers actually refer others to the program. All new customers are offered a survey.

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 106 |
| 3. Number of Surveys Completed. | 3 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | yes |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | yes |
| e. Measure Total Irrigable Area | yes |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | yes |
| a. If YES, describe below: | |

All participants are offered a follow-up survey.

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. | no |
|---|----|

- Does your agency provide mixed-use accounts with landscape budgets?
- 2. Number of CII mixed-use accounts with landscape budgets. 0
- 3. Do you offer landscape irrigation training? yes
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

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

a. If YES, describe below:

New customer mailings include all conservation programs. Offer new customers use of videos. Include article in customer newsletter. Water Awareness Month celebration advertising. Press releases to various newspapers.

- 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? yes
- 8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1000	1000
2. Actual Expenditures	862.5	

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

Reported as of 10/1

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
Olivenhain Municipal Water District

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

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

San Diego Gas & Electric provided \$75 rebates on qualified high-efficiency clothes washers in their service area.

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

3. What is the level of the rebate? 125

4. Number of rebates awarded. 138

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3266	5551
2. Actual Expenditures	4830	

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

This agency provides vouchers rather than rebates.

Reported as of 10/1

BMP 07: Public Information Programs

Reporting Unit:

Olivenhain Municipal Water District

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

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

On-hold telephone message, website, newsletter, bill messages, video library available, landscaping classes held at the District, lobby brochures and giveaways, press releases, speaker's bureau, and community events and meetings are all a part of our program.

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	
b. Public Service Announcement	yes	1
c. Bill Inserts / Newsletters / Brochures	yes	7
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	3
g. Speaker's Bureau	yes	3
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	33000	34000
2. Actual Expenditures	33529	

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

SDCWA has a regional program that includes: advertising in local newspapers Public Service Announcements (PSA) Demonstration garden Community Events Monthly Public Information Officer's Meeting Speaker's Bureau Water Awareness Month Regional Recycled Water Certification Workshops

Reported as of 10/1

BMP 08: School Education Programs

Reporting Unit:
Olivenhain Municipal Water District

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-3rd	yes	1	20	0
Grades 4th-6th	yes	8	203	0
Grades 7th-8th	yes	1	33	0
High School	yes	0	0	0

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

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

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2000	1200
2. Actual Expenditures	1120	

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

OMWD brings the Splash Science Mobile Lab to schools within its district. It provides classroom presentations for all ages. Lessons are given at its recreational park. It takes part in a water awareness campaign for San Diego's North County. It participates in the CSDA scholarship for high school seniors. It provides adult education classes on landscaping and conservation. SDCWA provides educational programs including magic shows, traveling libraries, and experiments for teachers to use.

Reported as of 10/1

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Olivenhain Municipal
 Water District**

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

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

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | 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.	21.94
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	600	4737
2. Actual Expenditures	641	

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

OMWD takes part in the regional program through SDCWA. It markets the programs through newsletters, bill messages and at community events.

Reported as of 10/1

BMP 09a: CII ULFT Water Savings

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2002

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? Potential savings
CII Sector or subsector
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.

Our CII voucher incentive program contractor, HDMC has been a significant player in the promotion of water-efficient products in San Diego County. Working in cooperation with WSA marketing and communications firm, HDMC has conducted extensive education, outreach, public relations, advertising and direct marketing activities. HDMC have created relationships with the owners, managers and related customer service supervisors and staff and water-efficient product suppliers from valley Center to San Ysidro for the past five years. Partnerships have been established with business owners, as well as employees at wholesale and retail suppliers. Understanding of supplier's business profiles, sales operations and accounting policies and procedures are key to the success of the program. Working relationships and/or quality data has been gathered on over 200 plumbers. Dealers sign contracts each year in order to participate in a program that is responsible for increasing their sales substantially.

2. How does your agency advertise this program? Check all that apply. Direct letter
Newspapers
Trade publications
Other print media
Trade shows and events

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

Relationships with the retail/wholesale outlets displaying marketing materials and knowing the program details. Ads in newspapers are also effective.

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? Yes
3. What is the total number of customer accounts participating in the program during the last year? 7

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	2	0	0	0
b. Retail / Wholesale	4	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	1	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?

Yes

a. If yes, check all that apply.

Consultant

Plumbing contractors/subcontracts

7. Participant tracking and follow-up.

Letter

Telephone

Site Visit

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 4
- b. Inadequate payback 4
- c. Inadequate ULFT performance 3
- d. Lack of funding 5
- e. American's with Disabilities Act 2
- f. Permitting 2
- g. Other. Please describe in B. 9. 0

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

The Regional CII voucher Incentive Program continues to increase in popularity in the San Diego region. Extensive marketing by our contractor, coupled with member agency support, has proven successful.

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?

Contractor does a great job in marketing. District does not have adequate staff to market the program at the agency level. Would like to increase involvement, although the majority of our District is single-family homes.

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	500	227.5
e. Outside Services	0	0
f. Total	500	227.5

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	647.5
b. State agency contribution	0
c. Federal agency contribution	0
d. Other contribution	0
e. Total	647.5

D. Comments

Reported as of 10/1

BMP 11: Conservation Pricing

Reporting Unit:
Olivenhain Municipal Water District

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	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$16345376
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$20262500

2. Commercial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
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	Increasing Block
b. Sewer Rate Structure	Increasing Block
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0

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	10000	8000
2. Actual Expenditures	6891	

C. "At Least As Effective As"

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

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

D. Comments

We cannot differentiate rates.

Reported as of 10/1

BMP 12: Conservation Coordinator

Reporting Unit:
**Olivenhain Municipal
 Water District**

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: San Diego County Water Authority
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 20%
 - b. Coordinator's Name Teresa Chase
 - c. Coordinator's Title Community Services Representative/Administrative Assistant
 - d. Coordinator's Experience and Number of Years 4 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 1/1/1992
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3800	4800
2. Actual Expenditures	3846	

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

Reported as of 10/1

BMP 13: Water Waste Prohibition

Reporting Unit:

**Olivenhain Municipal
Water District**BMP Form Status:
100% CompleteYear:
2002**A. Requirements for Documenting BMP Implementation**

1. Is a water waste prohibition ordinance in effect in your service area? no

a. If YES, describe the ordinance:

We had an ordinance after the drought was declared in the early nineties, but do not have the jurisdiction to prohibit certain water uses.

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:

City of Carlsbad, City
of Encinitas, City of
San Diego

The City of Carlsbad has a "Carlsbad Water Ethic" that makes recommendations for on watering hours, sweeping instead of hosing, etc. There are no water waste ordinances for our area.

B. Implementation

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

- | | |
|--|----|
| a. Gutter flooding | no |
| b. Single-pass cooling systems for new connections | no |
| c. Non-recirculating systems in all new conveyor or car wash systems | no |
| d. Non-recirculating systems in all new commercial laundry systems | no |
| e. Non-recirculating systems in all new decorative fountains | no |
| f. Other, please name | no |

2. Describe measures that prohibit water uses listed above:

OMWD does not have jurisdiction to prohibit any water uses, it can only make recommendations.

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

Ordinance 204, adopted during drought of late eighties, early nineties. AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT IMPOSING WATER CONSERVATION MEASURES BE IT ORDAINED by the Board of Directors of the Olivenhain Municipal Water District as follows: SECTION 1: Declaration of Policy. Water Code Section 71640 et seq., authorizes the District to impose water conservation measures and to restrict the use of water during any emergency caused by drought or other threatened or existing water shortage. The Board of Directors hereby establishes a comprehensive water conservation plan pursuant to Water Code Sections 71640 et seq., based upon an existing water shortage. SECTION 2: Findings. The Board of Directors finds and determines that a water shortage exists based upon the following facts: (a) The Governor has declared that precipitation in the State of California, for this water year to date, is approximately 50% of average. (b) Unprecedented weather conditions have resulted in five consecutive years (1987, 1988, 1989, 1990, 1991) of below normal precipitation and run-off resulting in a statewide water shortage. (c) The District is dependent upon water distributed through the California Aqueduct system and the Colorado River aqueduct by the Metropolitan Water District and the San Diego County Water Authority to provide water service to its customers. This is the sole source of supply to the District. The Metropolitan Water District of Southern California has notified the District that existing water demand will require a 30% reduction in water presently being provided to the San Diego County Water Authority. (d) The San Diego County Water Authority has notified the District that a drought condition exists and that effective April 11, 1991, a reduction in deliveries to member agencies of 20% of 1989-1990 deliveries, subject to minor adjustments for prior conservation efforts and growth, shall be invoked. (e) It is considered critical for the well being of the citizens within the Olivenhain Municipal Water District that existing water supplies be husbanded and future supplies be uniformly allocated so that water, essential for domestic use, sanitation, and fire protection, will remain available throughout the duration of the drought. (f) On April 11, 1991, the San Diego County Water Authority determined that in order to achieve the savings

necessary to comply with reductions in deliveries, that the Water Authority recommends that each member agency implement conservation programs substantially equivalent to those set forth in the Authority's Drought Response Plan of February 14, 1991. (g) The District has solicited and received advice and direction from the San Diego County Water Authority, the Metropolitan Water District of Southern California, the State Department of Water Resources, other member agencies of the Water Authority, the Cities of San Diego, Carlsbad and Encinitas, customers, businesses, professional organizations, members of the public, and other entities at various meetings and through numerous communications both written and oral, including a public meeting held on February 21, 1991, at 10:00 a.m., a public meeting held on March 21, 1991 at 9:00 a.m., and a public meeting held on April 18, 1991 at the District's Administration Office. (h) It is considered critical that mandatory restrictions on the use of water by District customers to conserve remaining water supplies be adopted. Experience of other agencies within California facing severe limitations on water supplies has demonstrated that prohibitions of certain uses, pricing structures, and limitations on deliveries have been found necessary to preserve water supplies for essential services and to allocate remaining supplies in a fair and uniform manner, with particular regard for domestic, sanitation, and fire protection.

SECTION 3: CEQA Exemption. The District finds that this action is the result of the unexpected occurrences, above described, which involve clear and imminent danger demanding immediate action to mitigate damage to life, health and property from the loss of an essential public service - the delivery of public water supplies, and, therefore, it is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Sections 21080 (b) (4), 21060.3 Title 14, California Code of Regulations, Section 15269 (c).

SECTION 4: Declaration of Water Shortage and Application. It is hereby determined and declared that, based upon the foregoing facts, the District is unable to provide sufficient water supplies to meet the ordinary demands and requirements of its customers without depleting available water supplies to the extent that insufficient water would be available for all needs of the District's customers. The provisions of this Ordinance shall apply to all persons, customers, and property served by the District wherever situated and for all imported water being provided by the District.

SECTION 5: Authorization. Upon adoption of this Ordinance, the District's General Manager, or his designated representative, is hereby authorized and directed to implement the provisions of this Ordinance based upon his determination that such implementation is necessary to protect the public health, safety, and welfare. The declaration of each water conservation stage and/or water emergency shall be deemed implemented upon publication two (2) times in a newspaper of general circulation in the District.

SECTION 6: Definitions for Potable Water Use Prohibitions (a) "Potable Water" means filtered or unfiltered water delivered by the District which meets drinking water standards or upon disinfection meets drinking water standards, i.e. raw water. (b) "Active public park and school ground areas" means areas designated by public agencies and private schools for specific sporting and recreational activities and those areas traditionally used for active play or recreation where turf is an integral part of the activity. (c) "Reclaimed water" means water which, as a result of treatment of wastewater, is suitable for a direct beneficial use or controlled use that would not otherwise occur. (See Water Code Section 13050(n).) (d) "Greywater" is household wastewater other than toilet water, i.e., water from laundry, shower, tub, bathroom and kitchen sinks. Its use is presently prohibited by the San Diego County Department of Health Services. The exception mentioned for greywater in this Ordinance depends solely upon approval of such use by the County of San Diego Health Services according to issued

rules and regulations. (e) "Micro irrigation systems/equipment" means low pressure, low volume methods of water application. These devices include drip emitters, T-tape, microsprayers, mini-sprinklers, twirlers, and spaghetti tubing. Pop-up sprinklers are not considered low-volume, low pressure irrigation systems/equipment. (f) "Normal Water Demand" means the expected water use for the use or development requiring the meter during times of unrestricted water deliveries. (g) "Recreational and Ornamental Lakes and Ponds" are those bodies of water which are not swimming pools, water storage reservoirs for the purpose of drinking water, or irrigation supply, or pool which maintain rare plant or animal species. (h) "Conservation offset" means the implementation of proven conservation techniques which, when installed, will result in a reduction equal to demand of the proposed use. Calculation of demand and saving shall be performed or verified by the General Manager based upon non-drought conditions (normal conditions). (i) "Fire Protection" means actions for prevention of suppression of fires as directed by the Fire Marshall or Fire Prevention offices with jurisdiction over the local area involved. (j) "Ground Cover" means continuous homologous, cultivated planting(s) other than grass, turf, lawn or "weeds", utilized for decorative purposes, erosion control, fire protection or a combination of the above uses.

SECTION 7: Water Conservation Stages. During the period this Ordinance is effective, no customer of the District shall knowingly make, cause, use, or permit the use of water supplied by the District for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Ordinance, in an amount in excess of the amounts authorized by this Ordinance or during any period of time other than the periods of time specified in this Ordinance.

(A) Stage 1. Normal Supply Level Available. Stage 1 applies during periods when a normal supply and distribution capacity is available, while at the same time demand levels are not expected to significantly increase in the immediate future. Elements of Stage 1 include: (1) Implementation of the District's adopted Urban Water Management Plan and Conservation Program. (2) Adoption of a District policy which is an action plan for implementation of water conservation techniques. (All elements shall apply as in Stage 2, but voluntary basis only.) (3) The failure to repair a controllable leak is defined as "waste of water" and is prohibited at all times. (4) All new indoor meter applicants must provide a plan indicating installation of 2.5 gpm showerheads and 1.6 gallon flush toilets. (5) All new meters that will be used wholly or partially for landscape irrigation shall not be issued without the submittal of appropriate plans incorporating principles of low water use landscaping and irrigation systems. (6) Changes to existing landscaping and turf areas or the addition of new landscaping or turf areas shall utilize principles of low water use landscaping and irrigation systems.

(B) Stage 2. Mandatory Compliance - Water Alert. Stage 2 applies during periods when the probability exists that the District will not be able to meet all of the water demands of its customers. Implementation of Stage 2 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 10%. During Stage 2, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 6:00 p.m. and 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a drip irrigation system is used. Properties with addresses ending in an even number may use water on Monday, Thursday, and Saturday evenings until the following morning. Addresses ending in an odd number may use water

on Tuesday, Friday, and Sunday evenings until the following morning. (2) Agricultural users and commercial nurseries as defined in the Metropolitan Water District Code are exempt from Stage 2 irrigation restrictions, but will be required to curtail all non-essential water use. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling swimming pools, spas, ponds, and artificial lakes is permitted only on designated irrigation days. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 6:00 p.m. and 9:00 a.m. the following morning, except golf course greens and propagation beds. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire, safety, or sanitation hazard. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any non-recirculating ornamental fountain or similar structure is prohibited. (C) Stage 3. Mandatory Compliance - Watering Warning. Stage 3 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 3 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 15%. During Stage 3, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 4:00 p.m. to 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a micro-irrigation system/equipment is used. A "designated irrigation day" is determined by the last digit in the street address. Properties with addresses ending in an even number may use water on Tuesday and Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday and Thursday evenings until the following morning. (2) Agricultural users and commercial nurseries shall reduce water use by an amount to be determined at the time of declaration. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. The use of water by all types of commercial car washes not using partially reclaimed or recycled water shall be reduced in volume by an amount to be determined at the time of declaration. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling of swimming pools and spas

is permitted only on designated irrigation days between the hours of 4:00 p.m. and 9:00 a.m. the following morning. The filling or refilling of ornamental lakes and ponds is prohibited. Irrigation reservoirs may be exempted when specifically requested. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 4:00 p.m. and 9:00 a.m. the following morning, except golf course greens. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire or sanitation hazards. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any ornamental, non-recirculating fountain or similar structure is prohibited. (10) New construction meters or permits for unmetered service shall not exceed the existing number of currently authorized meters. A new meter shall be issued only when an old meter is returned. Construction projects requiring water from a construction meter or a water truck shall not use water unnecessarily for any purposes other than those required by regulatory agencies. (D) Stage 4. Mandatory Compliance Water Warning. Stage 4 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 4 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 20%. During Stage 4, the following water conservation measures shall apply, including all provisions and conditions of Stage 3, except when reclaimed water is used: (1) All water users shall minimize water use. (2) Shower and sink warm up water shall be captured with a bucket and used outdoors or to flush toilets. (3) All golf courses, parks, school grounds, and recreational fields must reduce from their base 1989-1990 usage by a volume of not less than 20% at the time of declaration, or for new projects a base allocation to be determined by the General Manager. (4) Agricultural users and commercial nurseries shall reduce water use by an amount not less than 20%. (5) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels and restaurants may be reduced in volume by an amount to be determined by the General Manager. (E) Stage 5. Mandatory Compliance Water Warning. Stage 5 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 5 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 30%. During Stage 5, the following water conservation measures shall apply, including all provisions and conditions of Stage 4, except when reclaimed water is used: (1) All lawn and turf watering, other than golf courses, shall be limited to one day per week between the hours 6:00 p.m. and 9:00 a.m. the following morning. Properties with addresses ending in an even number may use water on Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday evenings until the following morning. All Homeowners Associations may use water on Wednesday evenings until the following morning. (2) All construction water must be reclaimed or from a non- imported source unless the District determines in its sole discretion that those sources are not reasonably available. (3) Washing at home of autos, trucks, trailers, boats, airplanes and other types of mobile equipment is prohibited except with water captured from sink and bath warm-up water or other recovered water in a handheld bucket. (4) All new meter applicants must

mitigate their specific impact upon the water supply by participating in a toilet/showerhead retrofit program or contributing to a reclaimed water project such that an off-setting supply of "new" water capacity is created, prior to the District's issuing a new water meter(s). (5) All golf courses, hotels, motels, and resorts must reduce a minimum of 30% from their 1989-1990 base usage or for new projects a base allocation to be determined by the General Manager. (F) Stage 6. Mandatory Compliance. Stage 6 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 6 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 40%. During Stage 6, the following water conservation measures shall apply, including all provisions and conditions of Stage 5, except when reclaimed water is used: (1) No outdoor watering shall occur between 9:00 a.m. and 4:00 p.m. except when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations) or private well water. Anyone using such water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (2) Washing of personal vehicles other than in commercial carwashes or commercial vehicles for reasons of public health and safety is prohibited except when water used has been salvaged from indoor use, i.e., warmup water from showers, sinks, and/or lavatories. (3) There shall be no filling of new pools, new spas, or new fountains from imported sources. (4) Golf courses shall reduce water use by 40%. (G) Mandatory Compliance - Water Emergency. A Water Emergency applies when a major failure of any supply or distribution facility, whether temporary or permanent, occurs in the water distribution system of the State Water Project, Metropolitan Water District, San Diego County Water Authority, or District facilities, when the District determines that a water shortage exists for any reason, requiring use reductions of 50% or more. It is anticipated that these measures will result in a reduction of water use from a base allocation to be determined at the time of declaration by a volume of not less than 50%. During a Water Emergency, the following potable water use prohibitions shall apply, including all provisions and conditions of Stage 6, except when reclaimed water or well water is used. (1) General Requirement (a) All water users are expected to minimize water use for the duration of the drought emergency. All classes of water, including agricultural use, are expected to achieve a fifty percent reduction in use from the base allocation, as determined by the General Manager, except where specifically relieved of such reduction by the Board of Directors. Indoor uses will, in general, be reduced by such practices as fewer and shorter showers and baths, no running water while brushing teeth and shaving, full loads in dish and clothes washers, avoidance of unnecessary toilet flushing, frequent checking and repairing of leaks, and other conservation practices. (2) Potable Water Use Prohibitions. (a) Irrigation of Turf. Irrigation of turf with potable water is prohibited except under the following circumstances: 1. for active public park and school ground areas no more than twice weekly; 2. at day care centers where required by license no more than twice weekly; 3. for purposes of maintaining public safety (such as fire protection); and 4. when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. 5. at public parks, where trees and shrubs are interspersed amidst turf supported by the same irrigation system, provided the area of irrigation is within the drip line of each tree or shrub and irrigation is no more than

once every two weeks. (b) Irrigation of Ground Cover. Irrigation of ground cover with potable water is prohibited except under the following circumstances: 1. for fire protection; 2. where trees and shrubs are interspersed amidst ground cover supported by the same irrigation system; and 3. for preservation of existing ground cover which is designed to stabilize slopes. Irrigation of ground cover under this Section is restricted to once every 14 days. (c) Irrigation of Trees, Shrubs, Including Certified Agricultural Production Outside irrigation of trees, shrubs, and other plants which are not turf or ground cover, is allowed only by hand-held hose with positive shut-off nozzle, bucket, or micro irrigation systems/equipment. Sprinkler systems may only be used for certified agricultural production, watering active public park and school ground areas, maintenance of ground cover in accordance with this Ordinance and for purposes of maintaining public safety such as, fire protection. (d) Irrigation Water Hours. No outdoor irrigation shall occur between 9:00 a.m. and 4:00 p.m., except when using a micro irrigation system/equipment, or for certified agricultural production, or when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. Anyone using reclaimed water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (e) Hosing or Spraying of Paved or Hard Surfaces. Hosing paved or hard surfaces including, but not limited to, sidewalks, driveways, patios, streets and parking areas is prohibited except for compelling public health and safety reasons. Allowed hosing activities shall be done only with a hose equipped with a positive shut-off nozzle. Spraying hard surfaces during irrigation activities is prohibited. (f) Runoff and Repairing of Leaks. All runoff from outside water usage from property is prohibited. Leaks to irrigation and plumbing systems shall be immediately repaired. (g) Filling of Pools and Spas. Filling of new pools and spas is prohibited except under the following circumstances: 1. where the owner can produce and demonstrate a conservation offset; or, 2. where the owner can produce evidence that private well water meeting public health standards will be utilized. Draining of existing pools is prohibited except under orders of the appropriate local health or building official. (h) Recreational and Ornamental Lakes and Ponds. Recreational and ornamental lakes and ponds may not be filled or refilled except with reclaimed water or private well water. Lakes and ponds utilizing reclaimed water at other than a private residence shall post signs around the lakes and ponds of where such water is being used noticing such usage. (i) Golf Course Irrigation. Golf courses may use potable water supplied by the District only to irrigate tees and greens. Irrigation of fairways and roughs with potable water or any blend thereof is prohibited. Golf courses irrigating with reclaimed water shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet where such water is being used noticing such usage. (j) Restaurants. Restaurants shall serve water only upon request. (k) Ornamental Fountains. Operation of ornamental fountains is prohibited except when private well water or reclaimed water is used. Ornamental fountains utilizing reclaimed water at other than a private residence, shall post signs around the ornamental fountain of where such water is being used, noticing such usage. (l) Washing of Vehicles. Washing of vehicles is prohibited except: 1. in commercial car washes; 2. commercial vehicles for reasons of public health and safety; 3. where water has been salvaged from indoor use, e.g. warmup water from showers, sinks, and/or lavatories; or 4. by a mobile high-pressure/low volume service. (m) New Services. Except as to property for which a building permit has been heretofore issued, no new potable water shall be provided, no new temporary meters or permanent meters

shall be provided and no commitments (such as, will serve letters, certificates or letters of availability) to provide potable water service shall be issued, except for the following circumstances: 1. the commitment includes a notice that a water shortage emergency prevails, resulting in a water moratorium and no water service is currently available; 2. for projects necessary to protect the public's health, safety, and welfare; 3. when it can be demonstrated that no net increase in potable water use will occur; or 4. when a conservation offset is provided. (n) Certified agricultural irrigation shall reduce 50% from the 1989-1990 base year. Certified agricultural irrigation may be discontinued for varying durations, as determined necessary by the District's General Manager depending upon the circumstances of the water emergency. (o) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels, and restaurants shall be reduced in volume by 50% from the base allocation for that user. These users shall be monitored by the District to ensure compliance with the 50% reduction. Any such user who exceeds their 50% reduction by 10% or more during any period monitored by the District shall have a flow restrictor installed at the user's expense until the user's total use for the year no longer exceeds a 50% reduction from that users base allocation. All fees and charges for the removal of the restrictor shall be paid by the user.

SECTION 8: Grounds for Appeal. A customer may file with the General Manager a written request for review of issue(s) regarding the restriction and use of water and/or the mandatory prohibitions on the use of potable water. No customer of the District shall be entitled to appeal any restriction on potable water usage unless the customer can demonstrate that the customer's allocation is insufficient for health, sanitary, or fire protection purposes. Appeals seeking increased allocations for other purposes shall be summarily rejected and will not be considered by the General Manager. A customer may, following review of the appeal by the General Manager, request a hearing by the Board of Directors. The hearing shall be scheduled at the Board's next regular meeting or at a special meeting scheduled for that hearing. The customer may appear before the Board or present written testimony and documentation considered appropriate for proper understanding and evaluation of the claim and basis for appeal. The District shall mail written notice of the hearing to the customer before the date of said hearing.

SECTION 9: Mandatory Conservation Phase Implementation. The Superintendent of Maintenance and Operations shall monitor the projected supply and demand for water by its customers on a daily basis during periods of emergency or drought and shall recommend to the General Manager the extent of the conservation required through the implementation and/or termination of particular conservation stages in order for the Water Operations Department to prudently plan for and supply water to its customers. Thereafter, the General Manager may order that the appropriate phase of water conservation be implemented or terminated in accordance with the applicable provisions of this Ordinance. Said order shall be made by public announcement and shall be published once a month for three months or until the Stage Alert has been lifted, whichever is the least amount of time, in a daily newspaper of general circulation and shall become effective immediately upon such publication.

SECTION 10: Violation of Stage 2 through Stage 6 and/or a Water Emergency. Any customer of the District who violates any provision of a Stages 2 through Stage 6 and/or a Water Emergency shall receive a warning letter on the first violation accompanied by a copy of the appropriate section(s) of this Ordinance. Any customer who commits a second violation of any provision of Stage 2 through Stage 6 and/or a Water Emergency shall pay a fine of \$50 for each violation of Stage 2 or Stage 3; \$75 for each violation of Stage 4 or Stage 5; and \$100 for each violation of Stage 6 and/or a Water Emergency. Any customer of the

District committing a third violation shall pay a fine of \$100 for each violation of Stage 2 or Stage 3; \$150 for each violation of Stage 4 or Stage 5; and \$200 for each violation of Stage 6 and/or a Water Emergency. Any customer of the District who violates a Stage 2 through Stage 6 and/or a Water Emergency more than three (3) times shall pay a fine of \$200 for each violation of Stage 2 or Stage 3; \$300 for each violation of Stage 4 or Stage 5; and \$400 for each violation of Stage 6 and/or a Water Emergency. In addition, where a customer of the District has violated any Stage 2 through Stage 6 and/or a Water Emergency restrictions more than three times, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) discontinuance of water service for such period of time as the Board of Directors determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors of the District shall be final and not subject to further appeal. The failure of any customer to pay a fine levied by this Ordinance shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose water service has been restricted or terminated as a result of violation of this Ordinance shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 11: Violation of Water Emergency. During periods of a water emergency, water consumption may be limited and allocated with penalties imposed for usage above one's allocation. The District's General Manager shall determine the allocation rate for every service connection in the District, based upon an assessment of the current and projected water supply and the availability of this supply to the community. The rate shall be determined as far in advance as possible and shall be applied fairly and equitably to all classes of water service. Notification of each customer's allocation shall be given by letter to The last known address of the customer as shown on District records and shall be effective beginning with the last billing period following the date the letter is mailed.

SECTION 12: Allocation Violations. In addition to the penalties for violation of potable water use prohibitions, as set forth in Section 9, a customer who exceeds an established allocation shall be subject to the following penalties: (a) A customer who exceeds an established allocation shall pay a surcharge rate of five (5) times the rate for the highest tier established in the Water Rate Ordinance per HCF (Hundred Cubic Feet) of water for all water used in excess of the allowable allocation during a first billing period in which the excess occurs. (b) A customer who exceeds the customer's allocation for two or more billing periods shall pay a surcharge of ten (10) times the rate for the highest tier established in the Water Rate Ordinance rate, per HCF, for water in excess of the allowable allocation during the second and subsequent billing periods. As used herein, "excess water" means the amount of water delivered in excess of the allocation rate as set by the General Manager. (c) If a customer continues to exceed the established allocation for two or more consecutive billing periods, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) termination of water service for such period of time as the District determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors shall be final and not subject to further appeal. The failure of any customer to pay the surcharges shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures

utilized by the District for nonpayment of water bills. Customers whose service is terminated shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 13: No Tampering With Flow Restrictors. A flow restrictor or other device, once installed by the District, may not be removed or tampered with in any manner or for any purpose by other than authorized District personnel acting with the authority of the General Manager. Tampering or removing of such a fixture without authorization will result in the immediate discontinuance of service at the customer's expense and until the articles and provisions of this Ordinance as herein set forth are fully complied with.

SECTION 14: Authority to Enter Premises. Authority and permission to enter upon private premises, for the purpose of inspecting outside water systems as to compliance with the articles and provisions of this Ordinance, shall be granted to authorized water district personnel upon presentation of official identification and clear statement of purpose to conduct water conservation enforcement activities. Those authorized personnel on official business shall be allowed free access at all reasonable hours to any premises supplied with the District water. Any owner or occupant of any premises who refuses admittance to, or hinders or prevents inspection by, an authorized employee of the Water District may, after , written notice setting a hearing date before the Board of Directors, have all water service discontinued. At the hearing, the customer shall be entitled to introduce testimony and evidence justifying denial of the right to inspect and any medical hardships caused by the termination.

SECTION 15: No Unauthorized Use of District Identification. No unauthorized person shall possess, carry, wear, or exhibit any badge or other official identification of the Water District, nor shall any person, whether or not possession is authorized, display, exhibit, or cause to be exhibited any badge or other official identification of the Water District at any time, place, or in any manner or for any purpose which is not authorized by the General Manager.

SECTION 16: Effective Date and Repeal. This Ordinance shall take effect immediately upon adoption. Within ten (10) days after adoption, this Ordinance shall be published one (1) time in a newspaper of general circulation in the District. This Ordinance shall remain effective until repeal by the Board of Directors of the Olivenhain Municipal Water District. Ordinance No. 203 is hereby repealed. **PASSED, ADOPTED, AND APPROVED** by the Board of Directors of the Olivenhain Municipal Water District at the regular Board meeting held on April 18, 1991, by the following roll call vote: **AYES:** Directors Miller, Golem, Gano, Peay, Denk **NOES:** None **ABSTAIN:** None **ABSENT:** None

Harold L. Gano, President
Board of Directors Olivenhain Municipal Water District **ATTEST:**

Harley L. Denk, Secretary
Board of Directors Olivenhain Municipal Water District

Water ethic approved by Board 11/27/02 Olivenhain Water Use Awareness Practices

The Olivenhain Water Use Awareness Practices promote responsible and efficient water use in our arid community. The following practices should be followed even when we are not in a drought situation. It is hoped that Olivenhain residents will adopt these behaviors as a way of life:

1. New landscaping should incorporate drought-tolerant plant materials and micro-irrigation (drip) systems wherever possible.
2. Water should never leave the user's property due to over-irrigation of landscape.
3. Watering should be done during the early morning or evening hours to minimize evaporation (between 4:00 p.m. and 9:00 a.m. the following morning).
4. Large Irrigators should spread water use throughout the week, avoiding having to irrigate at peak usage times such as Monday mornings.
5. All leaks must be investigated and repaired.
6. Water cannot be used to clean paved surfaces, such as sidewalks, driveways, parking areas, etc., except to alleviate immediate

safety or sanitation hazards. 7. Reclaimed or recycled water shall be used wherever and whenever possible. 8. Conveyor car washes, commercial laundry systems, cooling systems and decorative fountains should recycle water. 9. Exchange-type water softeners should be used in lie of those that discharge brine into the sewer system. 10. All customers are encouraged to retrofit existing plumbing devices such as faucet aerators, toilets, showerheads, clothes washers and hose nozzles with water-saving devices.

Reported as of 10/1

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
Olivenhain Municipal Water District

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	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	513	74
<hr/>		
Total	513	74

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

Through this program, participating residential customers are offered a voucher redeemable for up to \$75 off the purchase price. Voucher can only be used to replace toilets that are 3.5 gpf or more. The ULFT voucher incentive program has extensive marketing research.

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

Same as 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:

City of San Diego	Retrofit upon resale ordinance
-------------------	--------------------------------

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	16652	17934
2. Actual Expenditures	13058.46	

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

Reported as of 10/1

BMP Report

FY 2003

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

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2003

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 09/05/1991, your Agency STRATEGY DUE DATE is: | 09/04/1993 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	75	75
2. Number of surveys completed:	29	0

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|----------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | yes | yes |
| 9. Measure total irrigable area (Recommended but not required for surveys) | yes | yes |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Pacing |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | yes | yes |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | yes | yes |
| a. If yes, in what form are surveys tracked? | | database |
| b. Describe how your agency tracks this information. | | |

Contractor tracks number of surveys through database.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2000	1992
2. Actual Expenditures	808	

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

Some of next year's budgeted funds will be for weather-based irrigation controllers. In the future, a BMP may be written to include these funds under a seperate BMP.

Reported as of 10/1

BMP 02: Residential Plumbing Retrofit

Reporting Unit:

**Olivenhain Municipal Water
District**

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

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

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

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

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

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

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

The San Diego County Water Authority and its member agencies distributed over 500,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4.0%, while housing demolition is .5%. Effective January 1, 1994, showerheads manufactured in the United States must be 2.5 gpm maximum. OMWD continues to distribute showerheads in its lobby and at community events.

B. Low-Flow Device Distribution Information

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

a. If YES, when did your agency begin implementing this strategy? 1/1/1996

b. Describe your targeting/ marketing strategy.

Marketing includes the following: - residential survey distribution - direct distribution to customers (lobby, website, community events)

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	25	0
3. Number of toilet-displacement devices distributed:	10	0
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	275	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 :

We distribute devices purchased or left over from the previous year at

community events and in our lobby throughout the year, but do not ask customers if they are single or multi-family so I have put all devices under single-family. We also do not monitor how many each customer takes. We simply restock every year on items such as hose nozzles, aerators, showerheads, dye tablets, rain gauges and sprinkler timers. CWA kept a spreadsheet by region on showerheads.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1000	500
2. Actual Expenditures	987	

D. "At Least As Effective As"

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

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

SDCWA and its member agencies believe the region has satisfied the 75% saturation level and is pursuing grant money to fund a saturation study. OMWD continues to distribute showerheads and other devices.

E. Comments

Reported as of 10/1

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:

100% Complete

Year:

2003**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 21756.3
 - b. Determine other system verifiable uses (AF) 629.8
 - c. Determine total supply into the system (AF) 23250.7
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.96
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? yes
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

The District uses a leak detection engineering firm to investigate suspected leaks, pinpoint the source and repair immediately. With our soils, even small water leaks manifest as all water comes to the top. We have such small water loss in the system that there is no cost benefit to perform another full audit.

B. Survey Data

1. Total number of miles of distribution system line. 375
2. Number of miles of distribution system line surveyed. 375

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3000	3000
2. Actual Expenditures	3000	

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

Reported as of 10/1

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

Reporting Unit:

Olivenhain Municipal Water District

BMP Form Status:
100% Complete

Year:
2003

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:

All customers are required to have meters and are billed by volume of use. Retrofits are performed on an as needed basis.

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. 27

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

Reported as of 10/1

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:

**Olivenhain Municipal
Water District**

BMP Form Status:

100% Complete

Year:

2003

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 626 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 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? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 8/10/1990 |
| b. Description of marketing / targeting strategy: | |

Our contractor prescreens potential customers by reviewing usage data records and comparing typical patterns of other industry or SIC water usage. Customers that exhibit unusually high water usage relative to the size of the property are sent a letter and a program brochure, inviting them to participate in the program. Dispersal of brochures to a variety of candidates, home owner's associations as well as large turf customers. Customers actually refer others to the program. All new customers are offered a survey.

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 10 |
| 3. Number of Surveys Completed. | 2 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | yes |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | yes |
| e. Measure Total Irrigable Area | yes |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | yes |
| a. If YES, describe below: | |

All participants are offered a follow-up survey.

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. | no |
|---|----|

- Does your agency provide mixed-use accounts with landscape budgets?
- 2. Number of CII mixed-use accounts with landscape budgets. 0
- 3. Do you offer landscape irrigation training? yes
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	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
 - 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? yes
- 8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1000	1500
2. Actual Expenditures	1293.25	

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

Reported as of 10/1

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
Olivenhain Municipal Water District

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

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

San Diego Gas & Electric provided \$75 rebates on qualified high-efficiency clothes washers in their service area.

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

3. What is the level of the rebate? 125

4. Number of rebates awarded. 356

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	5551	8000
2. Actual Expenditures	7860.5	

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

This agency provides vouchers rather than rebates.

Reported as of 10/1

BMP 07: Public Information Programs

Reporting Unit:
Olivenhain Municipal Water District

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

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

On-hold telephone message, website, newsletter, bill messages, video library available, landscaping classes held at the District, lobby brochures and giveaways, press releases, speakers bureau, and community events and meetings are all a part of our program. Quotas are set for each month.

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	
b. Public Service Announcement	yes	1
c. Bill Inserts / Newsletters / Brochures	yes	10
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	8
g. Speaker's Bureau	yes	3
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	34000	33000
2. Actual Expenditures	32850	

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

SDCWA has a regional program that includes: advertising in local newspapers Public Service Announcements (PSA) Demonstration garden Community Events Monthly Public Information Officer's Meeting Speaker's Bureau Water Awareness Month Regional Recycled Water Certification Workshops

Reported as of 10/1

BMP 08: School Education Programs

Reporting Unit:

Olivenhain Municipal Water District

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-3rd	yes	2	44	0
Grades 4th-6th	yes	10	300	0
Grades 7th-8th	yes	1	28	0
High School	yes	0	12	0

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

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

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1200	2000
2. Actual Expenditures	1800	

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

OMWD brings the Splash Science Mobile Lab to schools within its district. It provides classroom presentations for all ages. Lessons are given at its recreational park. It takes part in a water awareness campaign for San Diego's North County. It participates in the CSDA scholarship for high school seniors. It provides adult education classes on landscaping and conservation. SDCWA provides educational programs including magic shows, traveling libraries, and experiments for teachers to use.

Reported as of 10/1

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Olivenhain Municipal
 Water District**

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

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

Option A: CII Water Use Survey and Customer Incentives Program

4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? 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.	3.61
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	5980	5904
2. Actual Expenditures	83	

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

OMWD takes part in the regional program through SDCWA. It markets the programs through newsletters, bill messages and at community events.

Reported as of 10/1

BMP 09a: CII ULFT Water Savings

Reporting Unit:

**Olivenhain Municipal Water
District**

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? Potential savings
CII Sector or subsector
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.

Our CII voucher incentive program contractor, HDMC has been a significant player in the promotion of water-efficient products in San Diego County. Working in cooperation with WSA marketing and communications firm, HDMC has conducted extensive education, outreach, public relations, advertising and direct marketing activities. HDMC has created relationships with the owners, managers and related customer service supervisors and staff and water-efficient product suppliers from valley Center to San Ysidro for the past five years. Partnerships have been established with business owners, as well as employees at wholesale and retail suppliers. Understanding of suppliers' business profiles, sales operations and accounting policies and procedures are key to the success of the program. Working relationships and/or quality data has been gathered on over 200 plumbers. Dealers sign contracts each year in order to participate in a program that is responsible for increasing their sales substantially.

2. How does your agency advertise this program? Check all that apply. Direct letter
Bill insert
Newsletter
Telephone
Web page
Other print media
Trade shows and events

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

Relationships with the retail/wholesale outlets displaying marketing materials and knowing the program details. Adds in newspapers are also effective.

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? Yes
3. What is the total number of customer accounts participating in the program during the last year ? 2

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	2	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? Yes

a. If yes, check all that apply. Consultant
Plumbing contractors/subcontracts

7. Participant tracking and follow-up. Letter
Telephone
Site Visit

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 4
- b. Inadequate payback 4
- c. Inadequate ULFT performance 3
- d. Lack of funding 5
- e. American's with Disabilities Act 2
- f. Permitting 2
- g. Other. Please describe in B. 9. 0

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

The Regional CII voucher Incentive Program continues to increase in popularity in the San Diego region. Extensive marketing by our contractor, coupled with member agency support, has proven successful.

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?

Contractor does a great job in marketing. District does not have adequate staff to market the program at the agency level. Would like to increase involvement, although the majority of our District is single-family homes.

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	500	83
e. Outside Services	0	0
f. Total	500	83

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

Also had a voucher for a CTCC redeemed this year.

Reported as of 10/1

BMP 11: Conservation Pricing

Reporting Unit:
Olivenhain Municipal Water District

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	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$16272319
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$6643627

2. Commercial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
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	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0

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	8000	8000
2. Actual Expenditures	7230	

C. "At Least As Effective As"

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

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

D. Comments

We cannot differentiate rates.

Reported as of 10/1

BMP 12: Conservation Coordinator

Reporting Unit:
**Olivenhain Municipal
 Water District**

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: San Diego County Water Authority
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 20%
 - b. Coordinator's Name Teresa Chase
 - c. Coordinator's Title Community Services Representative/Administrative Assistant
 - d. Coordinator's Experience and Number of Years 6 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 1/1/1992
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	4800	5000
2. Actual Expenditures	4910	

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

Reported as of 10/1

BMP 13: Water Waste Prohibition

Reporting Unit:

Olivenhain Municipal Water District

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? no

a. If YES, describe the ordinance:

We had an ordinance after the drought was declared in the early nineties, but do not have the jurisdiction to prohibit certain water uses.

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

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

The City of Carlsbad has a "Carlsbad Water Ethic" that makes recommendations for on watering hours, sweeping instead of hosing, etc. There are no water waste ordinances for our area.

The District adopted a Olivenhain Water Ethic in 2003 and will revise its ordinance in 2005.

B. Implementation

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

a. Gutter flooding no

b. Single-pass cooling systems for new connections no

c. Non-recirculating systems in all new conveyor or car wash systems no

d. Non-recirculating systems in all new commercial laundry systems no

e. Non-recirculating systems in all new decorative fountains no

f. Other, please name no

2. Describe measures that prohibit water uses listed above:

OMWD does not have jurisdiction to prohibit any water uses, it can only make recommendations.

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 no

on the reclaimed water or groundwater supply.

- 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

Ordinance 204, adopted during drought of late eighties, early nineties. AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT IMPOSING WATER CONSERVATION MEASURES BE IT ORDAINED by the Board of Directors of the Olivenhain Municipal Water District as follows: SECTION 1: Declaration of Policy. Water Code Section 71640 et seq., authorizes the District to impose water conservation measures and to restrict the use of water during any emergency caused by drought or other threatened or existing water shortage. The Board of Directors hereby establishes a comprehensive water conservation plan pursuant to Water Code Sections 71640 et seq., based upon an existing water shortage. SECTION 2: Findings. The Board of Directors finds and determines that a water shortage exists based upon the following facts: (a) The Governor has declared that precipitation in the State of California, for this water year to date, is approximately 50% of average. (b) Unprecedented weather conditions have resulted in five consecutive years (1987, 1988, 1989, 1990, 1991) of below normal precipitation and run-off resulting in a statewide water shortage. (c) The District is dependent upon water distributed through the California Aqueduct system and the Colorado River aqueduct by the Metropolitan Water District and the San Diego County Water Authority to provide water service to its customers. This is the sole source of supply to the District. The Metropolitan Water District of Southern California has notified the District that existing water demand will require a 30% reduction in water presently being provided to the San Diego County Water Authority. (d) The San Diego County Water Authority has notified the District that a drought condition exists and that effective April 11, 1991, a reduction in deliveries to member agencies of 20% of 1989-1990 deliveries, subject to minor adjustments for prior conservation efforts and growth, shall be invoked. (e) It is considered critical for the well being of the citizens within the Olivenhain Municipal Water District that existing water supplies be husbanded and future supplies be uniformly allocated so that water, essential for domestic use, sanitation, and fire protection, will remain available throughout the duration of the drought. (f) On April 11, 1991, the San Diego County Water Authority determined that in order to achieve the savings necessary to comply with reductions in deliveries, that the Water Authority recommends that each member agency implement conservation programs substantially equivalent to those set forth in the

Authority's Drought Response Plan of February 14, 1991. (g) The District has solicited and received advice and direction from the San Diego County Water Authority, the Metropolitan Water District of Southern California, the State Department of Water Resources, other member agencies of the Water Authority, the Cities of San Diego, Carlsbad and Encinitas, customers, businesses, professional organizations, members of the public, and other entities at various meetings and through numerous communications both written and oral, including a public meeting held on February 21, 1991, at 10:00 a.m., a public meeting held on March 21, 1991 at 9:00 a.m., and a public meeting held on April 18, 1991 at the District's Administration Office. (h) It is considered critical that mandatory restrictions on the use of water by District customers to conserve remaining water supplies be adopted. Experience of other agencies within California facing severe limitations on water supplies has demonstrated that prohibitions of certain uses, pricing structures, and limitations on deliveries have been found necessary to preserve water supplies for essential services and to allocate remaining supplies in a fair and uniform manner, with particular regard for domestic, sanitation, and fire protection. SECTION 3: CEQA Exemption. The District finds that this action is the result of the unexpected occurrences, above described, which involve clear and imminent danger demanding immediate action to mitigate damage to life, health and property from the loss of an essential public service - the delivery of public water supplies, and, therefore, it is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Sections 21080 (b) (4), 21060.3 Title 14, California Code of Regulations, Section 15269 (c). SECTION 4: Declaration of Water Shortage and Application. It is hereby determined and declared that, based upon the foregoing facts, the District is unable to provide sufficient water supplies to meet the ordinary demands and requirements of its customers without depleting available water supplies to the extent that insufficient water would be available for all needs of the District's customers. The provisions of this Ordinance shall apply to all persons, customers, and property served by the District wherever situated and for all imported water being provided by the District. SECTION 5: Authorization. Upon adoption of this Ordinance, the District's General Manager, or his designated representative, is hereby authorized and directed to implement the provisions of this Ordinance based upon his determination that such implementation is necessary to protect the public health, safety, and welfare. The declaration of each water conservation stage and/or water emergency shall be deemed implemented upon publication two (2) times in a newspaper of general circulation in the District. SECTION 6: Definitions for Potable Water Use Prohibitions (a) "Potable Water" means filtered or unfiltered water delivered by the District which meets drinking water standards or upon disinfection meets drinking water standards, i.e. raw water. (b) "Active public park and school ground areas" means areas designated by public agencies and private schools for specific sporting and recreational activities and those areas traditionally used for active play or recreation where turf is an integral part of the activity. (c) "Reclaimed water" means water which, as a result of treatment of wastewater, is suitable for a direct beneficial use or controlled use that would not otherwise occur. (See Water Code Section 13050(n).) (d) "Greywater" is household wastewater other than toilet water, i.e., water from laundry, shower, tub, bathroom and kitchen sinks. Its use is presently prohibited by the San Diego County Department of Health Services. The exception mentioned for greywater in this Ordinance depends solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations. (e) "Micro irrigation systems/equipment" means low pressure, low volume methods of water application. These devices include drip emitters, T-tape, microsprayers, mini-sprinklers, twirlers, and

spaghetti tubing. Pop-up sprinklers are not considered low-volume, low pressure irrigation systems/equipment. (f) "Normal Water Demand" means the expected water use for the use or development requiring the meter during times of unrestricted water deliveries. (g) "Recreational and Ornamental Lakes and Ponds" are those bodies of water which are not swimming pools, water storage reservoirs for the purpose of drinking water, or irrigation supply, or pool which maintain rare plant or animal species. (h) "Conservation offset" means the implementation of proven conservation techniques which, when installed, will result in a reduction equal to demand of the proposed use. Calculation of demand and saving shall be performed or verified by the General Manager based upon non-drought conditions (normal conditions). (i) "Fire Protection" means actions for prevention or suppression of fires as directed by the Fire Marshall or Fire Prevention offices with jurisdiction over the local area involved. (j) "Ground Cover" means continuous homologous, cultivated planting(s) other than grass, turf, lawn or "weeds", utilized for decorative purposes, erosion control, fire protection or a combination of the above uses.

SECTION 7: Water Conservation Stages. During the period this Ordinance is effective, no customer of the District shall knowingly make, cause, use, or permit the use of water supplied by the District for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Ordinance, in an amount in excess of the amounts authorized by this Ordinance or during any period of time other than the periods of time specified in this Ordinance.

(A) Stage 1. Normal Supply Level Available. Stage 1 applies during periods when a normal supply and distribution capacity is available, while at the same time demand levels are not expected to significantly increase in the immediate future. Elements of Stage 1 include: (1) Implementation of the District's adopted Urban Water Management Plan and Conservation Program. (2) Adoption of a District policy which is an action plan for implementation of water conservation techniques. (All elements shall apply as in Stage 2, but voluntary basis only.) (3) The failure to repair a controllable leak is defined as "waste of water" and is prohibited at all times. (4) All new indoor meter applicants must provide a plan indicating installation of 2.5 gpm showerheads and 1.6 gallon flush toilets. (5) All new meters that will be used wholly or partially for landscape irrigation shall not be issued without the submittal of appropriate plans incorporating principles of low water use landscaping and irrigation systems. (6) Changes to existing landscaping and turf areas or the addition of new landscaping or turf areas shall utilize principles of low water use landscaping and irrigation systems.

(B) Stage 2. Mandatory Compliance - Water Alert. Stage 2 applies during periods when the probability exists that the District will not be able to meet all of the water demands of its customers. Implementation of Stage 2 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 10%. During Stage 2, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 6:00 p.m. and 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a drip irrigation system is used. Properties with addresses ending in an even number may use water on Monday, Thursday, and Saturday evenings until the following morning. Addresses ending in an odd number may use water on Tuesday, Friday, and Sunday evenings until the following morning. (2) Agricultural users and commercial nurseries as defined in the Metropolitan Water District Code are exempt from Stage 2 irrigation

restrictions, but will be required to curtail all non-essential water use. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling swimming pools, spas, ponds, and artificial lakes is permitted only on designated irrigation days. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 6:00 p.m. and 9:00 a.m. the following morning, except golf course greens and propagation beds. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire, safety, or sanitation hazard. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any non-recirculating ornamental fountain or similar structure is prohibited. (C) Stage 3. Mandatory Compliance - Watering Warning. Stage 3 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 3 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 15%. During Stage 3, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 4:00 p.m. to 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a micro-irrigation system/equipment is used. A "designated irrigation day" is determined by the last digit in the street address. Properties with addresses ending in an even number may use water on Tuesday and Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday and Thursday evenings until the following morning. (2) Agricultural users and commercial nurseries shall reduce water use by an amount to be determined at the time of declaration. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. The use of water by all types of commercial car washes not using partially reclaimed or recycled water shall be reduced in volume by an amount to be determined at the time of declaration. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling of swimming pools and spas is permitted only on designated irrigation days between the hours of 4:00 p.m. and 9:00 a.m. the following morning. The filling or refilling of ornamental lakes and ponds is prohibited. Irrigation reservoirs may be

exempted when specifically requested. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 4:00 p.m. and 9:00 a.m. the following morning, except golf course greens. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire or sanitation hazards. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any ornamental, non-recirculating fountain or similar structure is prohibited. (10) New construction meters or permits for unmetered service shall not exceed the existing number of currently authorized meters. A new meter shall be issued only when an old meter is returned. Construction projects requiring water from a construction meter or a water truck shall not use water unnecessarily for any purposes other than those required by regulatory agencies. (D) Stage 4. Mandatory Compliance Water Warning. Stage 4 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 4 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 20%. During Stage 4, the following water conservation measures shall apply, including all provisions and conditions of Stage 3, except when reclaimed water is used: (1) All water users shall minimize water use. (2) Shower and sink warm up water shall be captured with a bucket and used outdoors or to flush toilets. (3) All golf courses, parks, school grounds, and recreational fields must reduce from their base 1989-1990 usage by a volume of not less than 20% at the time of declaration, or for new projects a base allocation to be determined by the General Manager. (4) Agricultural users and commercial nurseries shall reduce water use by an amount not less than 20%. (5) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels and restaurants may be reduced in volume by an amount to be determined by the General Manager. (E) Stage 5. Mandatory Compliance Water Warning. Stage 5 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 5 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 30%. During Stage 5, the following water conservation measures shall apply, including all provisions and conditions of Stage 4, except when reclaimed water is used: (1) All lawn and turf watering, other than golf courses, shall be limited to one day per week between the hours 6:00 p.m. and 9:00 a.m. the following morning. Properties with addresses ending in an even number may use water on Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday evenings until the following morning. All Homeowners Associations may use water on Wednesday evenings until the following morning. (2) All construction water must be reclaimed or from a non- imported source unless the District determines in its sole discretion that those sources are not reasonably available. (3) Washing at home of autos, trucks, trailers, boats, airplanes and other types of mobile equipment is prohibited except with water captured from sink and bath warm-up water or other recovered water in a handheld bucket. (4) All new meter applicants must mitigate their specific impact upon the water supply by participating in a toilet/showerhead retrofit program or contributing to a reclaimed water project such that an off-setting supply of "new" water capacity is created,

prior to the District's issuing a new water meter(s). (5) All golf courses, hotels, motels, and resorts must reduce a minimum of 30% from their 1989-1990 base usage or for new projects a base allocation to be determined by the General Manager. (F) Stage 6. Mandatory Compliance. Stage 6 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 6 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 40%. During Stage 6, the following water conservation measures shall apply, including all provisions and conditions of Stage 5, except when reclaimed water is used: (1) No outdoor watering shall occur between 9:00 a.m. and 4:00 p.m. except when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations) or private well water. Anyone using such water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (2) Washing of personal vehicles other than in commercial carwashes or commercial vehicles for reasons of public health and safety is prohibited except when water used has been salvaged from indoor use, i.e., warmup water from showers, sinks, and/or lavatories. (3) There shall be no filling of new pools, new spas, or new fountains from imported sources. (4) Golf courses shall reduce water use by 40%. (G) Mandatory Compliance - Water Emergency. A Water Emergency applies when a major failure of any supply or distribution facility, whether temporary or permanent, occurs in the water distribution system of the State Water Project, Metropolitan Water District, San Diego County Water Authority, or District facilities, when the District determines that a water shortage exists for any reason, requiring use reductions of 50% or more. It is anticipated that these measures will result in a reduction of water use from a base allocation to be determined at the time of declaration by a volume of not less than 50%. During a Water Emergency, the following potable water use prohibitions shall apply, including all provisions and conditions of Stage 6, except when reclaimed water or well water is used. (1) General Requirement (a) All water users are expected to minimize water use for the duration of the drought emergency. All classes of water, including agricultural use, are expected to achieve a fifty percent reduction in use from the base allocation, as determined by the General Manager, except where specifically relieved of such reduction by the Board of Directors. Indoor uses will, in general, be reduced by such practices as fewer and shorter showers and baths, no running water while brushing teeth and shaving, full loads in dish and clothes washers, avoidance of unnecessary toilet flushing, frequent checking and repairing of leaks, and other conservation practices. (2) Potable Water Use Prohibitions. (a) Irrigation of Turf. Irrigation of turf with potable water is prohibited except under the following circumstances: 1. for active public park and school ground areas no more than twice weekly; 2. at day care centers where required by license no more than twice weekly; 3. for purposes of maintaining public safety (such as fire protection); and 4. when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. 5. at public parks, where trees and shrubs are interspersed amidst turf supported by the same irrigation system, provided the area of irrigation is within the drip line of each tree or shrub and irrigation is no more than once every two weeks. (b) Irrigation of Ground Cover. Irrigation of ground cover with potable water is prohibited except under the following circumstances: 1. for fire protection; 2. where trees and shrubs are

interspersed amidst ground cover supported by the same irrigation system; and 3. for preservation of existing ground cover which is designed to stabilize slopes. Irrigation of ground cover under this Section is restricted to once every 14 days. (c) Irrigation of Trees, Shrubs, Including Certified Agricultural Production Outside irrigation of trees, shrubs, and other plants which are not turf or ground cover, is allowed only by hand-held hose with positive shut-off nozzle, bucket, or micro irrigation systems/equipment. Sprinkler systems may only be used for certified agricultural production, watering active public park and school ground areas, maintenance of ground cover in accordance with this Ordinance and for purposes of maintaining public safety such as, fire protection. (d) Irrigation Water Hours. No outdoor irrigation shall occur between 9:00 a.m. and 4:00 p.m., except when using a micro irrigation system/equipment, or for certified agricultural production, or when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. Anyone using reclaimed water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (e) Hosing or Spraying of Paved or Hard Surfaces. Hosing paved or hard surfaces including, but not limited to, sidewalks, driveways, patios, streets and parking areas is prohibited except for compelling public health and safety reasons. Allowed hosing activities shall be done only with a hose equipped with a positive shut-off nozzle. Spraying hard surfaces during irrigation activities is prohibited. (f) Runoff and Repairing of Leaks. All runoff from outside water usage from property is prohibited. Leaks to irrigation and plumbing systems shall be immediately repaired. (g) Filling of Pools and Spas. Filling of new pools and spas is prohibited except under the following circumstances: 1. where the owner can produce and demonstrate a conservation offset; or, 2. where the owner can produce evidence that private well water meeting public health standards will be utilized. Draining of existing pools is prohibited except under orders of the appropriate local health or building official. (h) Recreational and Ornamental Lakes and Ponds. Recreational and ornamental lakes and ponds may not be filled or refilled except with reclaimed water or private well water. Lakes and ponds utilizing reclaimed water at other than a private residence shall post signs around the lakes and ponds of where such water is being used noticing such usage. (i) Golf Course Irrigation. Golf courses may use potable water supplied by the District only to irrigate tees and greens. Irrigation of fairways and roughs with potable water or any blend thereof is prohibited. Golf courses irrigating with reclaimed water shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet where such water is being used noticing such usage. (j) Restaurants. Restaurants shall serve water only upon request. (k) Ornamental Fountains. Operation of ornamental fountains is prohibited except when private well water or reclaimed water is used. Ornamental fountains utilizing reclaimed water at other than a private residence, shall post signs around the ornamental fountain of where such water is being used, noticing such usage. (l) Washing of Vehicles. Washing of vehicles is prohibited except: 1. in commercial car washes; 2. commercial vehicles for reasons of public health and safety; 3. where water has been salvaged from indoor use, e.g. warmup water from showers, sinks, and/or lavatories; or 4. by a mobile high-pressure/low volume service. (m) New Services. Except as to property for which a building permit has been heretofore issued, no new potable water shall be provided, no new temporary meters or permanent meters shall be provided and no commitments (such as, will serve letters, certificates or letters of availability) to provide potable water service shall be issued, except for the following circumstances: 1. the commitment

includes a notice that a water shortage emergency prevails, resulting in a water moratorium and no water service is currently available; 2. for projects necessary to protect the public's health, safety, and welfare; 3. when it can be demonstrated that no net increase in potable water use will occur; or 4. when a conservation offset is provided. (n) Certified agricultural irrigation shall reduce 50% from the 1989-1990 base year. Certified agricultural irrigation may be discontinued for varying durations, as determined necessary by the District's General Manager depending upon the circumstances of the water emergency. (o) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels, and restaurants shall be reduced in volume by 50% from the base allocation for that user. These users shall be monitored by the District to ensure compliance with the 50% reduction. Any such user who exceeds their 50% reduction by 10% or more during any period monitored by the District shall have a flow restrictor installed at the user's expense until the user's total use for the year no longer exceeds a 50% reduction from that users base allocation. All fees and charges for the removal of the restrictor shall be paid by the user.

SECTION 8: Grounds for Appeal. A customer may file with the General Manager a written request for review of issue(s) regarding the restriction and use of water and/or the mandatory prohibitions on the use of potable water. No customer of the District shall be entitled to appeal any restriction on potable water usage unless the customer can demonstrate that the customer's allocation is insufficient for health, sanitary, or fire protection purposes. Appeals seeking increased allocations for other purposes shall be summarily rejected and will not be considered by the General Manager. A customer may, following review of the appeal by the General Manager, request a hearing by the Board of Directors. The hearing shall be scheduled at the Board's next regular meeting or at a special meeting scheduled for that hearing. The customer may appear before the Board or present written testimony and documentation considered appropriate for proper understanding and evaluation of the claim and basis for appeal. The District shall mail written notice of the hearing to the customer before the date of said hearing.

SECTION 9: Mandatory Conservation Phase Implementation. The Superintendent of Maintenance and Operations shall monitor the projected supply and demand for water by its customers on a daily basis during periods of emergency or drought and shall recommend to the General Manager the extent of the conservation required through the implementation and/or termination of particular conservation stages in order for the Water Operations Department to prudently plan for and supply water to its customers. Thereafter, the General Manager may order that the appropriate phase of water conservation be implemented or terminated in accordance with the applicable provisions of this Ordinance. Said order shall be made by public announcement and shall be published once a month for three months or until the Stage Alert has been lifted, whichever is the least amount of time, in a daily newspaper of general circulation and shall become effective immediately upon such publication.

SECTION 10: Violation of Stage 2 through Stage 6 and/or a Water Emergency. Any customer of the District who violates any provision of a Stages 2 through Stage 6 and/or a Water Emergency shall receive a warning letter on the first violation accompanied by a copy of the appropriate section(s) of this Ordinance. Any customer who commits a second violation of any provision of Stage 2 through Stage 6 and/or a Water Emergency shall pay a fine of \$50 for each violation of Stage 2 or Stage 3; \$75 for each violation of Stage 4 or Stage 5; and \$100 for each violation of Stage 6 and/or a Water Emergency. Any customer of the District committing a third violation shall pay a fine of \$100 for each violation of Stage 2 or Stage 3; \$150 for each violation of Stage 4 or Stage 5; and \$200 for each violation of Stage 6 and/or a Water

Emergency. Any customer of the District who violates a Stage 2 through Stage 6 and/or a Water Emergency more than three (3) times shall pay a fine of \$200 for each violation of Stage 2 or Stage 3; \$300 for each violation of Stage 4 or Stage 5; and \$400 for each violation of Stage 6 and/or a Water Emergency. In addition, where a customer of the District has violated any Stage 2 through Stage 6 and/or a Water Emergency restrictions more than three times, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) discontinuance of water service for such period of time as the Board of Directors determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors of the District shall be final and not subject to further appeal. The failure of any customer to pay a fine levied by this Ordinance shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose water service has been restricted or terminated as a result of violation of this Ordinance shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 11: Violation of Water Emergency. During periods of a water emergency, water consumption may be limited and allocated with penalties imposed for usage above one's allocation. The District's General Manager shall determine the allocation rate for every service connection in the District, based upon an assessment of the current and projected water supply and the availability of this supply to the community. The rate shall be determined as far in advance as possible and shall be applied fairly and equitably to all classes of water service. Notification of each customer's allocation shall be given by letter to The last known address of the customer as shown on District records and shall be effective beginning with the last billing period following the date the letter is mailed.

SECTION 12: Allocation Violations. In addition to the penalties for violation of potable water use prohibitions, as set forth in Section 9, a customer who exceeds an established allocation shall be subject to the following penalties: (a) A customer who exceeds an established allocation shall pay a surcharge rate of five (5) times the rate for the highest tier established in the Water Rate Ordinance per HCF (Hundred Cubic Feet) of water for all water used in excess of the allowable allocation during a first billing period in which the excess occurs. (b) A customer who exceeds the customer's allocation for two or more billing periods shall pay a surcharge of ten (10) times the rate for the highest tier established in the Water Rate Ordinance rate, per HCF, for water in excess of the allowable allocation during the second and subsequent billing periods. As used herein, "excess water" means the amount of water delivered in excess of the allocation rate as set by the General Manager. (c) If a customer continues to exceed the established allocation for two or more consecutive billing periods, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) termination of water service for such period of time as the District determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors shall be final and not subject to further appeal. The failure of any customer to pay the surcharges shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose service is terminated shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 13: No Tampering With Flow Restrictors. A flow restrictor or other device, once installed by the District, may not be removed or tampered with in any manner or for any purpose by other than authorized District personnel acting with the authority of the General Manager. Tampering or removing of such a fixture without authorization will result in the immediate discontinuance of service at the customer's expense and until the articles and provisions of this Ordinance as herein set forth are fully complied with. SECTION 14: Authority to Enter Premises. Authority and permission to enter upon private premises, for the purpose of inspecting outside water systems as to compliance with the articles and provisions of this Ordinance, shall be granted to authorized water district personnel upon presentation of official identification and clear statement of purpose to conduct water conservation enforcement activities. Those authorized personnel on official business shall be allowed free access at all reasonable hours to any premises supplied with the District water. Any owner or occupant of any premises who refuses admittance to, or hinders or prevents inspection by, an authorized employee of the Water District may, after , written notice setting a hearing date before the Board of Directors, have all water service discontinued. At the hearing, the customer shall be entitled to introduce testimony and evidence justifying denial of the right to inspect and any medical hardships caused by the termination. SECTION 15: No Unauthorized Use of District Identification. No unauthorized person shall possess, carry, wear, or exhibit any badge or other official identification of the Water District, nor shall any person, whether or not possession is authorized, display, exhibit, or cause to be exhibited any badge or other official identification of the Water District at any time, place, or in any manner or for any purpose which is not authorized by the General Manager. SECTION 16: Effective Date and Repeal. This Ordinance shall take effect immediately upon adoption. Within ten (10) days after adoption, this Ordinance shall be published one (1) time in a newspaper of general circulation in the District. This Ordinance shall remain effective until repeal by the Board of Directors of the Olivenhain Municipal Water District. Ordinance No. 203 is hereby repealed. PASSED, ADOPTED, AND APPROVED by the Board of Directors of the Olivenhain Municipal Water District at the regular Board meeting held on April 18, 1991, by the following roll call vote: AYES: Directors Miller, Golem, Gano, Peay, Denk NOES: None ABSTAIN: None ABSENT: None

Harold L. Gano, President
Board of Directors Olivenhain Municipal Water District ATTEST:

Harley L. Denk, Secretary
Board of Directors Olivenhain Municipal Water District

Water ethic approved by Board 11/27/02 Olivenhain Water Use Awareness Practices
The Olivenhain Water Use Awareness Practices promote responsible and efficient water use in our arid community. The following practices should be followed even when we are not in a drought situation. It is hoped that Olivenhain residents will adopt these behaviors as a way of life: 1. New landscaping should incorporate drought-tolerant plant materials and micro-irrigation (drip) systems wherever possible. 2. Water should never leave the user's property due to over-irrigation of landscape. 3. Watering should be done during the early morning or evening hours to minimize evaporation (between 4:00 p.m. and 9:00 a.m. the following morning). 4. Large Irrigators should spread water use throughout the week, avoiding having to irrigate at peak usage times such as Monday mornings. 5. All leaks must be investigated and repaired. 6. Water cannot be used to clean paved surfaces, such as sidewalks, driveways, parking areas, etc., except to alleviate immediate safety or sanitation hazards. 7. Reclaimed or recycled water shall be used wherever and whenever possible. 8. Conveyor car washes, commercial laundry systems, cooling systems and decorative fountains

should recycle water. 9. Exchange-type water softeners should be used in lie of those that discharge brine into the sewer system. 10. All customers are encouraged to retrofit existing plumbing devices such as faucet aerators, toilets, showerheads, clothes washers and hose nozzles with water-saving devices.

Reported as of 10/1

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
Olivenhain Municipal Water District

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	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	718	100
Total	718	100

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

Through this program, participating residential customers are offered a voucher redeemable for up to \$75 off the purchase price. Voucher can only be used to replace toilets that are 3.5 gpf or more. The ULFT voucher incentive program has extensive marketing research.

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

Same as 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:

City of San Diego	Retrofit upon resale ordinance
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B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	17934	15000
2. Actual Expenditures	16835.36	

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

Reported as of 10/1

BMP Report

FY 2004

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

Reporting Unit:
Olivenhain Municipal Water District

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 09/05/1991, your Agency STRATEGY DUE DATE is: | 09/04/1993 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 7/1/1995 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	75	75
2. Number of surveys completed:	100	0

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|----------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | yes | yes |
| 9. Measure total irrigable area (Recommended but not required for surveys) | yes | yes |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Pacing |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | yes | yes |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | yes | yes |
| a. If yes, in what form are surveys tracked? | | database |
| b. Describe how your agency tracks this information. | | |

Contractor tracks number of surveys through database.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1992	1638
2. Actual Expenditures	1992	

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

Some of next year's budgeted funds will be for weather-based irrigation controllers. In the future, a BMP may be written to include these funds under a seperate BMP.

Reported as of 10/1

BMP 02: Residential Plumbing Retrofit

Reporting Unit:

**Olivenhain Municipal Water
District**BMP Form Status:
100% CompleteYear:
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
- a. If YES, list local jurisdictions in your service area and code or ordinance in each:
2. Has your agency satisfied the 75% saturation requirement for single-family housing units? yes
3. Estimated percent of single-family households with low-flow showerheads: 75%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? yes
5. Estimated percent of multi-family households with low-flow showerheads: 75%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

The San Diego County Water Authority and its member agencies distributed over 500,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4.0%, while housing demolition is .5%. Effective January 1, 1994, showerheads manufactured in the United States must be 2.5 gpm maximum. OMWD continues to distribute showerheads in its lobby and at community events.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
- a. If YES, when did your agency begin implementing this strategy? 1/1/1996
- b. Describe your targeting/ marketing strategy.

Marketing includes the following: - residential survey distribution - direct distribution to customers (lobby, website, community events)

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	50	0
3. Number of toilet-displacement devices distributed:	3	0
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	200	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 :		

We distribute devices purchased or left over from the previous year at

community events and in our lobby throughout the year, but do not ask customers if they are single or multi-family so I have put all devices under single-family. We also do not monitor how many each customer takes. We simply restock every year on items such as hose nozzles, aerators, showerheads, dye tablets, rain gauges and sprinkler timers. CWA kept a spreadsheet by region on showerheads.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	500	500
2. Actual Expenditures	475	

D. "At Least As Effective As"

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

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

SDCWA and its member agencies believe the region has satisfied the 75% saturation level and is pursuing grant money to fund a saturation study. OMWD continues to distribute showerheads and other devices.

E. Comments

Reported as of 10/1

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**Olivenhain Municipal Water
District**

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) 20777.9
 - b. Determine other system verifiable uses (AF)
 - c. Determine total supply into the system (AF) 21424.8
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.97
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? yes
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

The District uses a leak detection engineering firm to investigate suspected leaks, pinpoint the source and repair immediately. With our soils, even small water leaks manifest as all water comes to the top. We have such small water loss in the system that there is no cost benefit to perform another full audit.

B. Survey Data

1. Total number of miles of distribution system line. 375
2. Number of miles of distribution system line surveyed. 375

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3000	3000
2. Actual Expenditures	3000	

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

Reported as of 10/1

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

Reporting Unit:

Olivenhain Municipal Water District

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:

All customers are required to have meters and are billed by volume of use. Retrofits are performed on an as needed basis.

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. 29

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

Reported as of 10/1

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:

**Olivenhain Municipal
Water District**

BMP Form Status:

100% Complete

Year:

2004

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 611 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 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? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 8/10/1990 |
| b. Description of marketing / targeting strategy: | |

Our contractor prescreens potential customers by reviewing usage data records and comparing typical patterns of other industry or SIC water usage. Customers that exhibit unusually high water usage relative to the size of the property are sent a letter and a program brochure, inviting them to participate in the program. Dispersal of brochures to a variety of candidates, home owner's associations as well as large turf customers. Customers actually refer others to the program. All new customers are offered a survey.

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 10 |
| 3. Number of Surveys Completed. | 2 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | yes |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | yes |
| e. Measure Total Irrigable Area | yes |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | yes |
| a. If YES, describe below: | |

All participants are offered a follow-up survey.

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. | no |
|---|----|

- Does your agency provide mixed-use accounts with landscape budgets?
- 2. Number of CII mixed-use accounts with landscape budgets. 0
- 3. Do you offer landscape irrigation training? yes
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	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
 - 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? yes
- 8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1500	1500
2. Actual Expenditures	1581	

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

Reported as of 10/1

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:

Olivenhain Municipal Water District

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

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

San Diego Gas & Electric provided tiered rebates of \$75 and \$125 on qualified high-efficiency clothes washers in their service area.

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

3. What is the level of the rebate? 125

4. Number of rebates awarded. 571

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	8000	8000
2. Actual Expenditures	13133	

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

This agency provides vouchers rather than rebates.

Reported as of 10/1

BMP 07: Public Information Programs

Reporting Unit:
Olivenhain Municipal Water District

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

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

SDCWA has a regional program that includes: advertising in local newspapers Public Service Announcements (PSA) Demonstration garden Community Events Monthly Public Information Officer's Meeting Speakers Bureau Water Awareness Month Regional Recycled Water Certification Workshops. Quotas set for each month.

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	
b. Public Service Announcement	yes	2
c. Bill Inserts / Newsletters / Brochures	yes	16
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	2
f. Special Events, Media Events	yes	12
g. Speaker's Bureau	yes	4
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	33000	33000
2. Actual Expenditures	32500	

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

SDCWA has a regional program that includes: advertising in local newspapers Public Service Announcements (PSA) Demonstration garden Community Events Monthly Public Information Officer's Meeting Speaker's Bureau Water Awareness Month Regional Recycled Water Certification Workshops

Reported as of 10/1

BMP 08: School Education Programs

Reporting Unit:

Olivenhain Municipal Water District

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-3rd	yes	3	55	0
Grades 4th-6th	yes	9	260	0
Grades 7th-8th	yes	1	26	0
High School	yes	0	11	0

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

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

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2000	3500
2. Actual Expenditures	2500	

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

OMWD brings the Splash Science Mobile Lab to schools within its district. It provides classroom presentations for all ages. Lessons are given at its recreational park. It takes part in a water awareness campaign for San Diego's North County. It participates in the CSDA scholarship for high school seniors. It provides adult education classes on landscaping and conservation. SDCWA provides educational programs including magic shows, traveling libraries, and experiments for teachers to use. SDCWA does teacher workshops for the region and provides grant funding opportunities.

Reported as of 10/1

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Olivenhain Municipal
 Water District**

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

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

Option A: CII Water Use Survey and Customer Incentives Program

4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? 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	
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.	4.3
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	5904	5904
2. Actual Expenditures	98	

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

OMWD takes part in the regional program through SDCWA. It markets the programs through newsletters, bill messages and at community events.

Reported as of 10/1

BMP 09a: CII ULFT Water Savings

Reporting Unit:

**Olivenhain Municipal Water
District**

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?

Potential savings
CII Sector or subsector

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.

Our CII voucher incentive program contractor, HDMC has been a significant player in the promotion of water-efficient products in San Diego County. Working in cooperation with WSA marketing and communications firms, HDMC has conducted extensive education, outreach, public relations, advertising and direct marketing activities. HDMC has created relationships with the owners, managers and related customer service supervisors and staff and water-efficient product suppliers from valley Center to San Ysidro for the past five years. Partnerships have been established with business owners, as well as employees at wholesale and retail suppliers. Understanding of suppliers' business profiles, sales operations and accounting policies and procedures are key to the success of the program. Working relationships and/or quality data has been gathered on over 200 plumbers. Dealers sign contracts each year in order to participate in a program that is responsible for increasing their sales substantially.

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

Bill insert
Telephone
Web page

Trade shows and events

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

Relationships with the retail/wholesale outlets displaying marketing materials and knowing the program details. Adds in newspapers are also effective.

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?

Yes

3. What is the total number of customer accounts participating in the program during the last year ?

4

CII Subsector**Number of Toilets Replaced**

4.	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
a. Offices	0	0	0	0
b. Retail / Wholesale	2	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?

Yes

a. If yes, check all that apply.

Consultant

Plumbing contractors/subcontracts

7. Participant tracking and follow-up.

Letter

Telephone

Site Visit

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 4
- b. Inadequate payback 4
- c. Inadequate ULFT performance 3
- d. Lack of funding 5
- e. American's with Disabilities Act 2
- f. Permitting 2
- g. Other. Please describe in B. 9. 0

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

The Regional CII voucher Incentive Program continues to increase in popularity in the San Diego region. Extensive marketing by our contractor, coupled with member agency support, has proven successful.

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?

Contractor does a great job in marketing. District does not have

adequate staff to market the program at the agency level. Would like to increase involvement, although the majority of our District is single-family homes.

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	500	210
e. Outside Services	0	0
f. Total	500	210

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

Also had a voucher for 2 CTCC, 9 washers, and 1 waterbroom redeemed this year.

Reported as of 10/1

BMP 11: Conservation Pricing

Reporting Unit:
Olivenhain Municipal Water District

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	Decreasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$16405400
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$6601401

2. Commercial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
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	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$0

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	8000	7000
2. Actual Expenditures	4250	

C. "At Least As Effective As"

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

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

D. Comments

We cannot differentiate rates.

Reported as of 10/1

BMP 12: Conservation Coordinator

Reporting Unit:
**Olivenhain Municipal
 Water District**

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: San Diego County Water Authority
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 20%
 - b. Coordinator's Name Teresa Chase
 - c. Coordinator's Title Community Services Representative/Administrative Assistant
 - d. Coordinator's Experience and Number of Years 6 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 1/1/1992
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	5000	5000
2. Actual Expenditures	4960	

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

Reported as of 10/1

BMP 13: Water Waste Prohibition

Reporting Unit:

Olivenhain Municipal Water District

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? no

a. If YES, describe the ordinance:

We had an ordinance after the drought was declared in the early nineties, but do not have the jurisdiction to prohibit certain water uses.

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

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

The City of Carlsbad has a "Carlsbad Water Ethic" that makes recommendations for on watering hours, sweeping instead of hosing, etc. There are no water waste ordinances for our area.

The District adopted a Olivenhain Water Ethic in 2003 and will revise its ordinance in 2005.

B. Implementation

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

a. Gutter flooding no

b. Single-pass cooling systems for new connections no

c. Non-recirculating systems in all new conveyor or car wash systems no

d. Non-recirculating systems in all new commercial laundry systems no

e. Non-recirculating systems in all new decorative fountains no

f. Other, please name no

2. Describe measures that prohibit water uses listed above:

OMWD does not have jurisdiction to prohibit any water uses, it can only make recommendations.

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 no

on the reclaimed water or groundwater supply.

- 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

Ordinance 204, adopted during drought of late eighties, early nineties. AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT IMPOSING WATER CONSERVATION MEASURES BE IT ORDAINED by the Board of Directors of the Olivenhain Municipal Water District as follows: SECTION 1: Declaration of Policy. Water Code Section 71640 et seq., authorizes the District to impose water conservation measures and to restrict the use of water during any emergency caused by drought or other threatened or existing water shortage. The Board of Directors hereby establishes a comprehensive water conservation plan pursuant to Water Code Sections 71640 et seq., based upon an existing water shortage. SECTION 2: Findings. The Board of Directors finds and determines that a water shortage exists based upon the following facts: (a) The Governor has declared that precipitation in the State of California, for this water year to date, is approximately 50% of average. (b) Unprecedented weather conditions have resulted in five consecutive years (1987, 1988, 1989, 1990, 1991) of below normal precipitation and run-off resulting in a statewide water shortage. (c) The District is dependent upon water distributed through the California Aqueduct system and the Colorado River aqueduct by the Metropolitan Water District and the San Diego County Water Authority to provide water service to its customers. This is the sole source of supply to the District. The Metropolitan Water District of Southern California has notified the District that existing water demand will require a 30% reduction in water presently being provided to the San Diego County Water Authority. (d) The San Diego County Water Authority has notified the District that a drought condition exists and that effective April 11, 1991, a reduction in deliveries to member agencies of 20% of 1989-1990 deliveries, subject to minor adjustments for prior conservation efforts and growth, shall be invoked. (e) It is considered critical for the well being of the citizens within the Olivenhain Municipal Water District that existing water supplies be husbanded and future supplies be uniformly allocated so that water, essential for domestic use, sanitation, and fire protection, will remain available throughout the duration of the drought. (f) On April 11, 1991, the San Diego County Water Authority determined that in order to achieve the savings necessary to comply with reductions in deliveries, that the Water Authority recommends that each member agency implement conservation programs substantially equivalent to those set forth in the

Authority's Drought Response Plan of February 14, 1991. (g) The District has solicited and received advice and direction from the San Diego County Water Authority, the Metropolitan Water District of Southern California, the State Department of Water Resources, other member agencies of the Water Authority, the Cities of San Diego, Carlsbad and Encinitas, customers, businesses, professional organizations, members of the public, and other entities at various meetings and through numerous communications both written and oral, including a public meeting held on February 21, 1991, at 10:00 a.m., a public meeting held on March 21, 1991 at 9:00 a.m., and a public meeting held on April 18, 1991 at the District's Administration Office. (h) It is considered critical that mandatory restrictions on the use of water by District customers to conserve remaining water supplies be adopted. Experience of other agencies within California facing severe limitations on water supplies has demonstrated that prohibitions of certain uses, pricing structures, and limitations on deliveries have been found necessary to preserve water supplies for essential services and to allocate remaining supplies in a fair and uniform manner, with particular regard for domestic, sanitation, and fire protection. SECTION 3: CEQA Exemption. The District finds that this action is the result of the unexpected occurrences, above described, which involve clear and imminent danger demanding immediate action to mitigate damage to life, health and property from the loss of an essential public service - the delivery of public water supplies, and, therefore, it is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Sections 21080 (b) (4), 21060.3 Title 14, California Code of Regulations, Section 15269 (c). SECTION 4: Declaration of Water Shortage and Application. It is hereby determined and declared that, based upon the foregoing facts, the District is unable to provide sufficient water supplies to meet the ordinary demands and requirements of its customers without depleting available water supplies to the extent that insufficient water would be available for all needs of the District's customers. The provisions of this Ordinance shall apply to all persons, customers, and property served by the District wherever situated and for all imported water being provided by the District. SECTION 5: Authorization. Upon adoption of this Ordinance, the District's General Manager, or his designated representative, is hereby authorized and directed to implement the provisions of this Ordinance based upon his determination that such implementation is necessary to protect the public health, safety, and welfare. The declaration of each water conservation stage and/or water emergency shall be deemed implemented upon publication two (2) times in a newspaper of general circulation in the District. SECTION 6: Definitions for Potable Water Use Prohibitions (a) "Potable Water" means filtered or unfiltered water delivered by the District which meets drinking water standards or upon disinfection meets drinking water standards, i.e. raw water. (b) "Active public park and school ground areas" means areas designated by public agencies and private schools for specific sporting and recreational activities and those areas traditionally used for active play or recreation where turf is an integral part of the activity. (c) "Reclaimed water" means water which, as a result of treatment of wastewater, is suitable for a direct beneficial use or controlled use that would not otherwise occur. (See Water Code Section 13050(n).) (d) "Greywater" is household wastewater other than toilet water, i.e., water from laundry, shower, tub, bathroom and kitchen sinks. Its use is presently prohibited by the San Diego County Department of Health Services. The exception mentioned for greywater in this Ordinance depends solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations. (e) "Micro irrigation systems/equipment" means low pressure, low volume methods of water application. These devices include drip emitters, T-tape, microsprayers, mini-sprinklers, twirlers, and

spaghetti tubing. Pop-up sprinklers are not considered low-volume, low pressure irrigation systems/equipment. (f) "Normal Water Demand" means the expected water use for the use or development requiring the meter during times of unrestricted water deliveries. (g) "Recreational and Ornamental Lakes and Ponds" are those bodies of water which are not swimming pools, water storage reservoirs for the purpose of drinking water, or irrigation supply, or pool which maintain rare plant or animal species. (h) "Conservation offset" means the implementation of proven conservation techniques which, when installed, will result in a reduction equal to demand of the proposed use. Calculation of demand and saving shall be performed or verified by the General Manager based upon non-drought conditions (normal conditions). (i) "Fire Protection" means actions for prevention or suppression of fires as directed by the Fire Marshall or Fire Prevention offices with jurisdiction over the local area involved. (j) "Ground Cover" means continuous homologous, cultivated planting(s) other than grass, turf, lawn or "weeds", utilized for decorative purposes, erosion control, fire protection or a combination of the above uses.

SECTION 7: Water Conservation Stages. During the period this Ordinance is effective, no customer of the District shall knowingly make, cause, use, or permit the use of water supplied by the District for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Ordinance, in an amount in excess of the amounts authorized by this Ordinance or during any period of time other than the periods of time specified in this Ordinance. (A) Stage 1. Normal Supply Level Available. Stage 1 applies during periods when a normal supply and distribution capacity is available, while at the same time demand levels are not expected to significantly increase in the immediate future. Elements of Stage 1 include: (1) Implementation of the District's adopted Urban Water Management Plan and Conservation Program. (2) Adoption of a District policy which is an action plan for implementation of water conservation techniques. (All elements shall apply as in Stage 2, but voluntary basis only.) (3) The failure to repair a controllable leak is defined as "waste of water" and is prohibited at all times. (4) All new indoor meter applicants must provide a plan indicating installation of 2.5 gpm showerheads and 1.6 gallon flush toilets. (5) All new meters that will be used wholly or partially for landscape irrigation shall not be issued without the submittal of appropriate plans incorporating principles of low water use landscaping and irrigation systems. (6) Changes to existing landscaping and turf areas or the addition of new landscaping or turf areas shall utilize principles of low water use landscaping and irrigation systems. (B) Stage 2. Mandatory Compliance - Water Alert. Stage 2 applies during periods when the probability exists that the District will not be able to meet all of the water demands of its customers. Implementation of Stage 2 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 10%. During Stage 2, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 6:00 p.m. and 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a drip irrigation system is used. Properties with addresses ending in an even number may use water on Monday, Thursday, and Saturday evenings until the following morning. Addresses ending in an odd number may use water on Tuesday, Friday, and Sunday evenings until the following morning. (2) Agricultural users and commercial nurseries as defined in the Metropolitan Water District Code are exempt from Stage 2 irrigation

restrictions, but will be required to curtail all non-essential water use. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling swimming pools, spas, ponds, and artificial lakes is permitted only on designated irrigation days. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 6:00 p.m. and 9:00 a.m. the following morning, except golf course greens and propagation beds. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire, safety, or sanitation hazard. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any non-recirculating ornamental fountain or similar structure is prohibited. (C) Stage 3. Mandatory Compliance - Watering Warning. Stage 3 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 3 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 15%. During Stage 3, the following water conservation measures shall apply except when reclaimed water is used: (1) Lawn watering and landscape irrigation is permitted only on designated irrigation days and only between the evening hours of 4:00 p.m. to 9:00 a.m. the following morning. Watering is permitted at any time if a hand-held hose equipped with a positive shut-off nozzle is used, a hand-held, faucet-filled bucket of five (5) gallons or less is used, or a micro-irrigation system/equipment is used. A "designated irrigation day" is determined by the last digit in the street address. Properties with addresses ending in an even number may use water on Tuesday and Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday and Thursday evenings until the following morning. (2) Agricultural users and commercial nurseries shall reduce water use by an amount to be determined at the time of declaration. The watering of livestock and irrigation of propagation beds are permitted at any time. (3) Washing of autos, trucks, trailers, boats, airplanes, and other types of mobile equipment is prohibited except on designated irrigation days. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Washing is permitted at any time on the immediate premises of a commercial car wash. The use of water by all types of commercial car washes not using partially reclaimed or recycled water shall be reduced in volume by an amount to be determined at the time of declaration. Further, such washing is exempted from these regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning such as garbage trucks and vehicles used to transport food and perishables. (4) Filling or refilling of swimming pools and spas is permitted only on designated irrigation days between the hours of 4:00 p.m. and 9:00 a.m. the following morning. The filling or refilling of ornamental lakes and ponds is prohibited. Irrigation reservoirs may be

exempted when specifically requested. (5) Watering golf courses, parks, school grounds, and recreational fields is permitted only between the hours of 4:00 p.m. and 9:00 a.m. the following morning, except golf course greens. (6) The use of water from fire hydrants shall be limited to fire fighting and related activities, for construction activities, or other activities necessary to maintain the health, safety, and welfare of the public. (7) Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas, except to alleviate immediate fire or sanitation hazards. (8) Restaurants shall serve water to their customers only when specifically requested. (9) The operation of any ornamental, non-recirculating fountain or similar structure is prohibited. (10) New construction meters or permits for unmetered service shall not exceed the existing number of currently authorized meters. A new meter shall be issued only when an old meter is returned. Construction projects requiring water from a construction meter or a water truck shall not use water unnecessarily for any purposes other than those required by regulatory agencies. (D) Stage 4. Mandatory Compliance Water Warning. Stage 4 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 4 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 20%. During Stage 4, the following water conservation measures shall apply, including all provisions and conditions of Stage 3, except when reclaimed water is used: (1) All water users shall minimize water use. (2) Shower and sink warm up water shall be captured with a bucket and used outdoors or to flush toilets. (3) All golf courses, parks, school grounds, and recreational fields must reduce from their base 1989-1990 usage by a volume of not less than 20% at the time of declaration, or for new projects a base allocation to be determined by the General Manager. (4) Agricultural users and commercial nurseries shall reduce water use by an amount not less than 20%. (5) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels and restaurants may be reduced in volume by an amount to be determined by the General Manager. (E) Stage 5. Mandatory Compliance Water Warning. Stage 5 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 5 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 30%. During Stage 5, the following water conservation measures shall apply, including all provisions and conditions of Stage 4, except when reclaimed water is used: (1) All lawn and turf watering, other than golf courses, shall be limited to one day per week between the hours 6:00 p.m. and 9:00 a.m. the following morning. Properties with addresses ending in an even number may use water on Saturday evenings until the following morning and addresses ending in an odd number may use water on Sunday evenings until the following morning. All Homeowners Associations may use water on Wednesday evenings until the following morning. (2) All construction water must be reclaimed or from a non- imported source unless the District determines in its sole discretion that those sources are not reasonably available. (3) Washing at home of autos, trucks, trailers, boats, airplanes and other types of mobile equipment is prohibited except with water captured from sink and bath warm-up water or other recovered water in a handheld bucket. (4) All new meter applicants must mitigate their specific impact upon the water supply by participating in a toilet/showerhead retrofit program or contributing to a reclaimed water project such that an off-setting supply of "new" water capacity is created,

prior to the District's issuing a new water meter(s). (5) All golf courses, hotels, motels, and resorts must reduce a minimum of 30% from their 1989-1990 base usage or for new projects a base allocation to be determined by the General Manager. (F) Stage 6. Mandatory Compliance. Stage 6 applies during periods when the District will not be able to meet all of the water demands of its customers. Implementation of Stage 6 is intended to result in certain minimum reductions in water use from a base allocation. The specific amount of reduction from the base allocation shall be determined at the time of declaration by a volume of not less than 40%. During Stage 6, the following water conservation measures shall apply, including all provisions and conditions of Stage 5, except when reclaimed water is used: (1) No outdoor watering shall occur between 9:00 a.m. and 4:00 p.m. except when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations) or private well water. Anyone using such water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (2) Washing of personal vehicles other than in commercial carwashes or commercial vehicles for reasons of public health and safety is prohibited except when water used has been salvaged from indoor use, i.e., warmup water from showers, sinks, and/or lavatories. (3) There shall be no filling of new pools, new spas, or new fountains from imported sources. (4) Golf courses shall reduce water use by 40%. (G) Mandatory Compliance - Water Emergency. A Water Emergency applies when a major failure of any supply or distribution facility, whether temporary or permanent, occurs in the water distribution system of the State Water Project, Metropolitan Water District, San Diego County Water Authority, or District facilities, when the District determines that a water shortage exists for any reason, requiring use reductions of 50% or more. It is anticipated that these measures will result in a reduction of water use from a base allocation to be determined at the time of declaration by a volume of not less than 50%. During a Water Emergency, the following potable water use prohibitions shall apply, including all provisions and conditions of Stage 6, except when reclaimed water or well water is used. (1) General Requirement (a) All water users are expected to minimize water use for the duration of the drought emergency. All classes of water, including agricultural use, are expected to achieve a fifty percent reduction in use from the base allocation, as determined by the General Manager, except where specifically relieved of such reduction by the Board of Directors. Indoor uses will, in general, be reduced by such practices as fewer and shorter showers and baths, no running water while brushing teeth and shaving, full loads in dish and clothes washers, avoidance of unnecessary toilet flushing, frequent checking and repairing of leaks, and other conservation practices. (2) Potable Water Use Prohibitions. (a) Irrigation of Turf. Irrigation of turf with potable water is prohibited except under the following circumstances: 1. for active public park and school ground areas no more than twice weekly; 2. at day care centers where required by license no more than twice weekly; 3. for purposes of maintaining public safety (such as fire protection); and 4. when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. 5. at public parks, where trees and shrubs are interspersed amidst turf supported by the same irrigation system, provided the area of irrigation is within the drip line of each tree or shrub and irrigation is no more than once every two weeks. (b) Irrigation of Ground Cover. Irrigation of ground cover with potable water is prohibited except under the following circumstances: 1. for fire protection; 2. where trees and shrubs are

interspersed amidst ground cover supported by the same irrigation system; and 3. for preservation of existing ground cover which is designed to stabilize slopes. Irrigation of ground cover under this Section is restricted to once every 14 days. (c) Irrigation of Trees, Shrubs, Including Certified Agricultural Production Outside irrigation of trees, shrubs, and other plants which are not turf or ground cover, is allowed only by hand-held hose with positive shut-off nozzle, bucket, or micro irrigation systems/equipment. Sprinkler systems may only be used for certified agricultural production, watering active public park and school ground areas, maintenance of ground cover in accordance with this Ordinance and for purposes of maintaining public safety such as, fire protection. (d) Irrigation Water Hours. No outdoor irrigation shall occur between 9:00 a.m. and 4:00 p.m., except when using a micro irrigation system/equipment, or for certified agricultural production, or when using reclaimed water, greywater (solely upon approval of such use by the County of San Diego Health Services according to issued rules and regulations), or private well water. Anyone using reclaimed water at other than a private residence shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet along public rights-of-way where such water is being used noticing such usage. (e) Hosing or Spraying of Paved or Hard Surfaces. Hosing paved or hard surfaces including, but not limited to, sidewalks, driveways, patios, streets and parking areas is prohibited except for compelling public health and safety reasons. Allowed hosing activities shall be done only with a hose equipped with a positive shut-off nozzle. Spraying hard surfaces during irrigation activities is prohibited. (f) Runoff and Repairing of Leaks. All runoff from outside water usage from property is prohibited. Leaks to irrigation and plumbing systems shall be immediately repaired. (g) Filling of Pools and Spas. Filling of new pools and spas is prohibited except under the following circumstances: 1. where the owner can produce and demonstrate a conservation offset; or, 2. where the owner can produce evidence that private well water meeting public health standards will be utilized. Draining of existing pools is prohibited except under orders of the appropriate local health or building official. (h) Recreational and Ornamental Lakes and Ponds. Recreational and ornamental lakes and ponds may not be filled or refilled except with reclaimed water or private well water. Lakes and ponds utilizing reclaimed water at other than a private residence shall post signs around the lakes and ponds of where such water is being used noticing such usage. (i) Golf Course Irrigation. Golf courses may use potable water supplied by the District only to irrigate tees and greens. Irrigation of fairways and roughs with potable water or any blend thereof is prohibited. Golf courses irrigating with reclaimed water shall post signs, with a minimal area of four square feet, and at intervals of two hundred feet where such water is being used noticing such usage. (j) Restaurants. Restaurants shall serve water only upon request. (k) Ornamental Fountains. Operation of ornamental fountains is prohibited except when private well water or reclaimed water is used. Ornamental fountains utilizing reclaimed water at other than a private residence, shall post signs around the ornamental fountain of where such water is being used, noticing such usage. (l) Washing of Vehicles. Washing of vehicles is prohibited except: 1. in commercial car washes; 2. commercial vehicles for reasons of public health and safety; 3. where water has been salvaged from indoor use, e.g. warmup water from showers, sinks, and/or lavatories; or 4. by a mobile high-pressure/low volume service. (m) New Services. Except as to property for which a building permit has been heretofore issued, no new potable water shall be provided, no new temporary meters or permanent meters shall be provided and no commitments (such as, will serve letters, certificates or letters of availability) to provide potable water service shall be issued, except for the following circumstances: 1. the commitment

includes a notice that a water shortage emergency prevails, resulting in a water moratorium and no water service is currently available; 2. for projects necessary to protect the public's health, safety, and welfare; 3. when it can be demonstrated that no net increase in potable water use will occur; or 4. when a conservation offset is provided. (n) Certified agricultural irrigation shall reduce 50% from the 1989-1990 base year. Certified agricultural irrigation may be discontinued for varying durations, as determined necessary by the District's General Manager depending upon the circumstances of the water emergency. (o) The use of potable water for commercial, industrial, manufacturing, processing purposes, resorts, hotels, motels, and restaurants shall be reduced in volume by 50% from the base allocation for that user. These users shall be monitored by the District to ensure compliance with the 50% reduction. Any such user who exceeds their 50% reduction by 10% or more during any period monitored by the District shall have a flow restrictor installed at the user's expense until the user's total use for the year no longer exceeds a 50% reduction from that users base allocation. All fees and charges for the removal of the restrictor shall be paid by the user.

SECTION 8: Grounds for Appeal. A customer may file with the General Manager a written request for review of issue(s) regarding the restriction and use of water and/or the mandatory prohibitions on the use of potable water. No customer of the District shall be entitled to appeal any restriction on potable water usage unless the customer can demonstrate that the customer's allocation is insufficient for health, sanitary, or fire protection purposes. Appeals seeking increased allocations for other purposes shall be summarily rejected and will not be considered by the General Manager. A customer may, following review of the appeal by the General Manager, request a hearing by the Board of Directors. The hearing shall be scheduled at the Board's next regular meeting or at a special meeting scheduled for that hearing. The customer may appear before the Board or present written testimony and documentation considered appropriate for proper understanding and evaluation of the claim and basis for appeal. The District shall mail written notice of the hearing to the customer before the date of said hearing.

SECTION 9: Mandatory Conservation Phase Implementation. The Superintendent of Maintenance and Operations shall monitor the projected supply and demand for water by its customers on a daily basis during periods of emergency or drought and shall recommend to the General Manager the extent of the conservation required through the implementation and/or termination of particular conservation stages in order for the Water Operations Department to prudently plan for and supply water to its customers. Thereafter, the General Manager may order that the appropriate phase of water conservation be implemented or terminated in accordance with the applicable provisions of this Ordinance. Said order shall be made by public announcement and shall be published once a month for three months or until the Stage Alert has been lifted, whichever is the least amount of time, in a daily newspaper of general circulation and shall become effective immediately upon such publication.

SECTION 10: Violation of Stage 2 through Stage 6 and/or a Water Emergency. Any customer of the District who violates any provision of a Stages 2 through Stage 6 and/or a Water Emergency shall receive a warning letter on the first violation accompanied by a copy of the appropriate section(s) of this Ordinance. Any customer who commits a second violation of any provision of Stage 2 through Stage 6 and/or a Water Emergency shall pay a fine of \$50 for each violation of Stage 2 or Stage 3; \$75 for each violation of Stage 4 or Stage 5; and \$100 for each violation of Stage 6 and/or a Water Emergency. Any customer of the District committing a third violation shall pay a fine of \$100 for each violation of Stage 2 or Stage 3; \$150 for each violation of Stage 4 or Stage 5; and \$200 for each violation of Stage 6 and/or a Water

Emergency. Any customer of the District who violates a Stage 2 through Stage 6 and/or a Water Emergency more than three (3) times shall pay a fine of \$200 for each violation of Stage 2 or Stage 3; \$300 for each violation of Stage 4 or Stage 5; and \$400 for each violation of Stage 6 and/or a Water Emergency. In addition, where a customer of the District has violated any Stage 2 through Stage 6 and/or a Water Emergency restrictions more than three times, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) discontinuance of water service for such period of time as the Board of Directors determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors of the District shall be final and not subject to further appeal. The failure of any customer to pay a fine levied by this Ordinance shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose water service has been restricted or terminated as a result of violation of this Ordinance shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 11: Violation of Water Emergency. During periods of a water emergency, water consumption may be limited and allocated with penalties imposed for usage above one's allocation. The District's General Manager shall determine the allocation rate for every service connection in the District, based upon an assessment of the current and projected water supply and the availability of this supply to the community. The rate shall be determined as far in advance as possible and shall be applied fairly and equitably to all classes of water service. Notification of each customer's allocation shall be given by letter to The last known address of the customer as shown on District records and shall be effective beginning with the last billing period following the date the letter is mailed.

SECTION 12: Allocation Violations. In addition to the penalties for violation of potable water use prohibitions, as set forth in Section 9, a customer who exceeds an established allocation shall be subject to the following penalties: (a) A customer who exceeds an established allocation shall pay a surcharge rate of five (5) times the rate for the highest tier established in the Water Rate Ordinance per HCF (Hundred Cubic Feet) of water for all water used in excess of the allowable allocation during a first billing period in which the excess occurs. (b) A customer who exceeds the customer's allocation for two or more billing periods shall pay a surcharge of ten (10) times the rate for the highest tier established in the Water Rate Ordinance rate, per HCF, for water in excess of the allowable allocation during the second and subsequent billing periods. As used herein, "excess water" means the amount of water delivered in excess of the allocation rate as set by the General Manager. (c) If a customer continues to exceed the established allocation for two or more consecutive billing periods, the Board of Directors shall conduct a hearing and may, in its discretion, order either (a) installation of a flow restrictor in the meter or (b) termination of water service for such period of time as the District determines appropriate under the circumstances. The District shall, at least ten (10) days before the date set for hearing, mail an appropriate written notice of the hearing to the affected customer. The decision of the Board of Directors shall be final and not subject to further appeal. The failure of any customer to pay the surcharges shall be grounds for termination of water service. Termination notices shall be given in accordance with the termination procedures utilized by the District for nonpayment of water bills. Customers whose service is terminated shall be required to pay all fees and charges established by the District from time to time to reinstate full service.

SECTION 13: No Tampering With Flow Restrictors. A flow restrictor or other device, once installed by the District, may not be removed or tampered with in any manner or for any purpose by other than authorized District personnel acting with the authority of the General Manager. Tampering or removing of such a fixture without authorization will result in the immediate discontinuance of service at the customer's expense and until the articles and provisions of this Ordinance as herein set forth are fully complied with. SECTION 14: Authority to Enter Premises. Authority and permission to enter upon private premises, for the purpose of inspecting outside water systems as to compliance with the articles and provisions of this Ordinance, shall be granted to authorized water district personnel upon presentation of official identification and clear statement of purpose to conduct water conservation enforcement activities. Those authorized personnel on official business shall be allowed free access at all reasonable hours to any premises supplied with the District water. Any owner or occupant of any premises who refuses admittance to, or hinders or prevents inspection by, an authorized employee of the Water District may, after , written notice setting a hearing date before the Board of Directors, have all water service discontinued. At the hearing, the customer shall be entitled to introduce testimony and evidence justifying denial of the right to inspect and any medical hardships caused by the termination. SECTION 15: No Unauthorized Use of District Identification. No unauthorized person shall possess, carry, wear, or exhibit any badge or other official identification of the Water District, nor shall any person, whether or not possession is authorized, display, exhibit, or cause to be exhibited any badge or other official identification of the Water District at any time, place, or in any manner or for any purpose which is not authorized by the General Manager. SECTION 16: Effective Date and Repeal. This Ordinance shall take effect immediately upon adoption. Within ten (10) days after adoption, this Ordinance shall be published one (1) time in a newspaper of general circulation in the District. This Ordinance shall remain effective until repeal by the Board of Directors of the Olivenhain Municipal Water District. Ordinance No. 203 is hereby repealed. PASSED, ADOPTED, AND APPROVED by the Board of Directors of the Olivenhain Municipal Water District at the regular Board meeting held on April 18, 1991, by the following roll call vote: AYES: Directors Miller, Golem, Gano, Peay, Denk NOES: None ABSTAIN: None ABSENT: None

Harold L. Gano, President
Board of Directors Olivenhain Municipal Water District ATTEST:

Harley L. Denk, Secretary
Board of Directors Olivenhain Municipal Water District

Water ethic approved by Board 11/27/02 Olivenhain Water Use Awareness Practices
The Olivenhain Water Use Awareness Practices promote responsible and efficient water use in our arid community. The following practices should be followed even when we are not in a drought situation. It is hoped that Olivenhain residents will adopt these behaviors as a way of life: 1. New landscaping should incorporate drought-tolerant plant materials and micro-irrigation (drip) systems wherever possible. 2. Water should never leave the user's property due to over-irrigation of landscape. 3. Watering should be done during the early morning or evening hours to minimize evaporation (between 4:00 p.m. and 9:00 a.m. the following morning). 4. Large Irrigators should spread water use throughout the week, avoiding having to irrigate at peak usage times such as Monday mornings. 5. All leaks must be investigated and repaired. 6. Water cannot be used to clean paved surfaces, such as sidewalks, driveways, parking areas, etc., except to alleviate immediate safety or sanitation hazards. 7. Reclaimed or recycled water shall be used wherever and whenever possible. 8. Conveyor car washes, commercial laundry systems, cooling systems and decorative fountains

should recycle water. 9. Exchange-type water softeners should be used in lie of those that discharge brine into the sewer system. 10. All customers are encouraged to retrofit existing plumbing devices such as faucet aerators, toilets, showerheads, clothes washers and hose nozzles with water-saving devices.

Reported as of 10/1

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
Olivenhain Municipal Water District

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	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	576	93
Total		
	576	93

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

Through this program, participating residential customers are offered a voucher redeemable for up to \$75 off the purchase price. Voucher can only be used to replace toilets that are 3.5 gpf or more. The ULFT voucher incentive program has extensive marketing research.

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

Same as 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:

City of San Diego Retrofit upon resale ordinance

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	15000	12000
2. Actual Expenditures	13722.4	

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

Reported as of 10/1