

**APPENDIX D**  
**2003-04 BMP REPORTS**

Reported as of 5/2

**Water Supply & Reuse**

Reporting Unit:

Year:

**2004**

**Water Supply Source Information**

Supply Source Name

Quantity (AF) Supplied

Supply Type

**Total AF:**

Reported as of 5/2

**Accounts & Water Use**

Reporting Unit Name:  
**Moulton Niguel Water District**

Submitted to  
**CUWCC**  
**01/06/2005**

Year:  
**2004**

**A. Service Area Population Information:**

1. Total service area population 165317

**B. Number of Accounts and Water Deliveries (AF)**

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	33406	14420	0	0
2. Multi-Family	14509	6263	0	0
3. Commercial	1827	5814	0	0
4. Industrial	0	0	0	0
5. Institutional	0	0	0	0
6. Dedicated Irrigation	1398	5081	0	0
7. Recycled Water	1139	7576	0	0
8. Other	824	25	0	0
9. Unaccounted	NA	3139	NA	0
<b>Total</b>	<b>53103</b>	<b>42318</b>	<b>0</b>	<b>0</b>

**Metered**

**Unmetered**

Reported as of 5/2

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

Reporting Unit: **Moulton Niguel Water District**      BMP Form Status: **100% Complete**      Year: **2004**

#### A. Implementation

- 1. Based on your signed MOU date, 12/19/1991, your Agency STRATEGY DUE DATE is: 12/18/1993
- 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? no
  - a. If YES, when was it implemented?
- 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? no
  - a. If YES, when was it implemented?

#### B. Water Survey Data

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

#### Indoor Survey:

- 3. Check for leaks, including toilets, faucets and meter checks no      no
- 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary no      no
- 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary no      no

#### Outdoor Survey:

- 6. Check irrigation system and timers no      no
- 7. Review or develop customer irrigation schedule no      no
- 8. Measure landscaped area (Recommended but not required for surveys) no      no
- 9. Measure total irrigable area (Recommended but not required for surveys) no      no
- 10. Which measurement method is typically used (Recommended but not required for surveys) None
- 11. Were customers provided with information packets that included evaluation results and water savings recommendations? no      no
- 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? no      no
  - a. If yes, in what form are surveys tracked?

b. Describe how your agency tracks this information.

### C. Water Survey Program Expenditures

	<b>This Year</b>	<b>Next Year</b>
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 5/2

**BMP 02: Residential Plumbing Retrofit**

Reporting Unit: **Moulton Niguel Water District**      BMP Form Status: **100% Complete**      Year: **2004**

**A. Implementation**

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

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: 100%

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

5. Estimated percent of multi-family households with low-flow showerheads: 86.6%

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

In 2000, the Municipal Water District of Orange County and Metropolitan Water District of Southern California conducted the Orange County Saturation survey and found countywide low flow showerhead saturation rates of 66.9% in single-family and 59.8% in multi-family dwelling units. Saturation rates provided above represent linear extrapolations of saturation survey results for FY 03-04.

**B. Low-Flow Device Distribution Information**

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

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

b. Describe your targeting/ marketing strategy.

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

6. Does your agency track the distribution and cost of low-flow devices? no

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

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

**C. Low-Flow Device Distribution Expenditures**

<b>This Year</b>	<b>Next Year</b>
------------------	------------------

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 5/2

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

Reporting Unit: **Moulton Niguel 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? 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) 31603
  - b. Determine other system verifiable uses (AF) 3139
  - c. Determine total supply into the system (AF) 34742
  - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 1.00
- 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? yes
- 4. Did your agency complete a full-scale audit during this report year? yes
- 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? no
  - a. If yes, describe the leak detection program:

**B. Survey Data**

- 1. Total number of miles of distribution system line. 835
- 2. Number of miles of distribution system line surveyed. 835

**C. System Audit / Leak Detection Program Expenditures**

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

**D. "At Least As Effective As"**

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

**E. Comments**

Reported as of 5/2

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

Reporting Unit: **Moulton Niguel 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:
- 3. Number of previously unmetered accounts fitted with meters during report year. 0

**B. Feasibility Study**

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

**C. Meter Retrofit Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	200000	320000
2. Actual Expenditures	161675	

**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 5/2

## BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:  
**Moulton Niguel Water District**

BMP Form Status:  
**100% Complete**

Year:  
**2004**

### A. Water Use Budgets

- |  |      |
|--|------|
| 1. Number of Dedicated Irrigation Meter Accounts:  | 2535 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets:                       | 93   |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF):                     | 877  |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF):                       | 453  |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | yes  |

### B. Landscape Surveys

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

### C. Other BMP 5 Actions

- |   |     |
|---|-----|
| 1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. Does your agency provide mixed-use accounts with landscape budgets? | no  |
| 2. Number of CII mixed-use accounts with landscape budgets.   | 0   |
| 3. Do you offer landscape irrigation training?  | yes |
| 4. Does your agency offer financial incentives to improve   | yes |

landscape water use efficiency?

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

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

No

a. If YES, describe below:

6. Do you have irrigated landscaping at your facilities?

yes

a. If yes, is it water-efficient?

yes

b. If yes, does it have dedicated irrigation metering?

no

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	0	0
2. Actual Expenditures	0	

**E. "At Least As Effective As"**

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

No

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

**F. Comments**

The meters listed above are under budget as part of the Municipal Water District of Orange County's Landscape Certification Program. This has been a two-year effort covering 2003 & 2004. Included in this program is an informal survey process. Since it is informal, under B above, #2 and #3 are listed as "0", while the components of the informal process are marked as "yes" in #4.

Reported as of 5/2

**BMP 06: High-Efficiency Washing Machine Rebate Programs**

Reporting Unit: **Moulton Niguel 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.

Southern California Edison, Pacific Gas & Electric and San Diego Gas and Electric have had rebates at one time or another.

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

3. What is the level of the rebate? 100

4. Number of rebates awarded. 841

**B. Rebate Program Expenditures**

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

**C. "At Least As Effective As"**

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

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

**D. Comments**

**BMP 07: Public Information Programs**

Reporting Unit: **Moulton Niguel 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.

Moulton Niguel Water District's Community Relations Program promotes and educates customers on water conservation. Monthly billing newsletters regularly address water conservation issues. Additional public information activities relating to conservation include: billing messages, previous usage shown on bill, brochures, lawn watering guides, special events, speaker's bureau, website information, etc. Landscape seminars are also offered throughout the year for both residential and commercial users.

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	yes	1
b. Public Service Announcement	no	
c. Bill Inserts / Newsletters / Brochures	yes	30
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	
f. Special Events, Media Events	yes	20
g. Speaker's Bureau	yes	6
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	76000	76000
2. Actual Expenditures	70000	

**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 5/2

**BMP 08: School Education Programs**

Reporting Unit: **Moulton Niguel 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	38	3531	5
Grades 4th-6th	yes	21	1959	5
Grades 7th-8th	no	0	0	0
High School	no	0	0	0

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

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

**B. School Education Program Expenditures**

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

**C. "At Least As Effective As"**

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

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

**D. Comments**

**BMP 09: Conservation Programs for CII Accounts**

Reporting Unit:

**Moulton Niguel 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? yes

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0
CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no
Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	67	11220
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.  | .56  |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991.                                      | 5.05 |

**B. Conservation Program Expenditures for CII Accounts**

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	13041	

**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 5/2

**BMP 09a: CII ULFT Water Savings**

Reporting Unit: **Moulton Niguel 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? 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.

See the MWDCS program for details.

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

See the MWDCS program for details.

**B. Implementation**

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) Yes

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No

3. What is the total number of customer accounts participating in the program during the last year? 1

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

j. Other 0 0 0 0

5. Program design.

Rebate or voucher

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

a. If yes, check all that apply.

7. Participant tracking and follow-up.

No follow-up

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

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

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

See the MWDCS program for details.

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?

See the MWDCS program for details.

**C. Conservation Program Expenditures for CII ULFT**

1. CII ULFT Program: Annual Budget & Expenditure Data

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

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	0
b. State agency contribution	0
c. Federal agency contribution	0

d. Other contribution	0
e. Total	0

**D. Comments**

Reported as of 5/2

**BMP 11: Conservation Pricing**

Reporting Unit:  
Moulton Niguel 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	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$10475222
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$7448742

**2. Commercial**

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$4094841
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$1249292

**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	Service Not Provided
c. Total Revenue from Volumetric Rates	\$5217853
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$490400

**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 \$0
- Sources

**B. Conservation Pricing Program Expenditures**

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

**C. "At Least As Effective As"**

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

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

**D. Comments**

Reported as of 5/2

**BMP 12: Conservation Coordinator**

Reporting Unit: **Moulton Niguel Water District**      BMP Form Status: **100% Complete**      Year: **2004**

**A. Implementation**

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

**B. Conservation Staff Program Expenditures**

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

**C. "At Least As Effective As"**

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

**D. Comments**

Reported as of 5/2

**BMP 13: Water Waste Prohibition**

Reporting Unit:

Moulton Niguel 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:

2. Is a copy of the most current ordinance(s) on file with CUWCC? no

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:

**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:

none

**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**

	<b>This Year</b>	<b>Next Year</b>
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

**D. "At Least As Effective As"**

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

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

**E. Comments**

**BMP 14: Residential ULFT Replacement Programs**

Reporting Unit: **Moulton Niguel 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
<b>Number of Toilets Replaced by Agency Program During Report Year</b>		
Replacement Method	SF Accounts	MF Units
2. Rebate	270	83
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	291	40
<hr/>		
<b>Total</b>	<b>561</b>	<b>123</b>

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

Moulton Niguel Water District participates in a region wide ULFT rebate program for both SF and MF. Our regional wholesaler, the Municipal Water District of Orange County (MWDOC), administers the program on our behalf. They contract with a vendor to market the program and facilitate the rebate process for our customers. The "Other" program is a distribution program that MWDOC administers on our behalf. They contract with a separate vendor that facilitates the distribution of ULFTs to our customers. This program is also for SF and MF.

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

See #6 above.

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

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

**B. Residential ULFT Program Expenditures**

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

**C. "At Least As Effective As"**

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

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

**D. Comments**



Reported as of 5/2

**Water Supply & Reuse**

Reporting Unit:

Year:

**2003**

**Water Supply Source Information**

Supply Source Name

Quantity (AF) Supplied

Supply Type

**Total AF:**

Reported as of 5/2

**Accounts & Water Use**

Reporting Unit Name:  
Moulton Niguel Water District

Submitted to  
CUWCC  
01/06/2005

Year:  
2003

**A. Service Area Population Information:**

1. Total service area population 164044

**B. Number of Accounts and Water Deliveries (AF)**

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	33244	14033	0	0
2. Multi-Family	14502	6122	0	0
3. Commercial	1813	5860	0	0
4. Industrial	0	0	0	0
5. Institutional	0	0	0	0
6. Dedicated Irrigation	1430	5362	0	0
7. Recycled Water	1097	6500	0	0
8. Other	808	72	0	0
9. Unaccounted	NA	1798	NA	0
<b>Total</b>	<b>52894</b>	<b>39747</b>	<b>0</b>	<b>0</b>
		<b>Metered</b>		<b>Unmetered</b>

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

Reporting Unit: **Moulton Niguel Water District**      BMP Form Status: **100% Complete**      Year: **2003**

**A. Implementation**

- 1. Based on your signed MOU date, 12/19/1991, your Agency STRATEGY DUE DATE is: 12/18/1993
- 2. Has your agency developed and implemented a targeting/ marketing strategy for SINGLE-FAMILY residential water use surveys? no
  - a. If YES, when was it implemented?
- 3. Has your agency developed and implemented a targeting/ marketing strategy for MULTI-FAMILY residential water use surveys? no
  - a. If YES, when was it implemented?

**B. Water Survey Data**

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	0	0
2. Number of surveys completed:	0	0
<b>Indoor Survey:</b>		
3. Check for leaks, including toilets, faucets and meter checks	no	no
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	no	no
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	no	no
<b>Outdoor Survey:</b>		
6. Check irrigation system and timers	no	no
7. Review or develop customer irrigation schedule	no	no
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no
10. Which measurement method is typically used (Recommended but not required for surveys)		None
11. Were customers provided with information packets that included evaluation results and water savings recommendations?	no	no
12. Have the number of surveys offered and completed, survey results, and survey costs been tracked?	no	no
a. If yes, in what form are surveys tracked?		

b. Describe how your agency tracks this information.

**C. Water Survey Program Expenditures**

	<b>This Year</b>	<b>Next Year</b>
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 5/2

**BMP 02: Residential Plumbing Retrofit**

Reporting Unit: **Moulton Niguel 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: 91.7%

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

5. Estimated percent of multi-family households with low-flow showerheads: 79.9%

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

In 2000, the Municipal Water District of Orange County and the Metropolitan Water District of Southern California conducted the Orange County Saturation Survey and found countywide low flow showerhead saturation rates of 66.9% in single-family and 59.8% in multi-family dwelling units. Saturation rates provided above represent linear extrapolations of saturation survey results for FY 02-03.

**B. Low-Flow Device Distribution Information**

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

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

b. Describe your targeting/ marketing strategy.

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

6. Does your agency track the distribution and cost of low-flow devices? no

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

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

**C. Low-Flow Device Distribution Expenditures**

**This Year      Next Year**

1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

**D. "At Least As Effective As"**

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

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

**E. Comments**

Reported as of 5/2

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

Reporting Unit:

BMP Form Status:

Year:

Moulton Niguel Water District

100% Complete

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)  | 32128 |
| b. Determine other system verifiable uses (AF)   | 1799  |
| c. Determine total supply into the system (AF)   | 33927 |
| d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. | 1.00  |
| 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production?   | yes   |
| 4. Did your agency complete a full-scale audit during this report year?  | yes   |
| 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?   | no    |
| a. If yes, describe the leak detection program:  |       |

**B. Survey Data**

- |  |     |
|--|-----|
| 1. Total number of miles of distribution system line.    | 835 |
| 2. Number of miles of distribution system line surveyed. | 835 |

**C. System Audit / Leak Detection Program Expenditures**

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

**D. "At Least As Effective As"**

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

**E. Comments**

Reported as of 5/2

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

Reporting Unit: **Moulton Niguel 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:
- 3. Number of previously unmetered accounts fitted with meters during report year. 0

**B. Feasibility Study**

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

**C. Meter Retrofit Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	380000	200000
2. Actual Expenditures	368119	

**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 5/2

## BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:

Moulton Niguel Water District

BMP Form Status:

100% Complete

Year:

2003

### A. Water Use Budgets

- |  |      |
|--|------|
| 1. Number of Dedicated Irrigation Meter Accounts:  | 2530 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets:                       | 124  |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF):                     | 943  |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF):                       | 518  |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | yes  |

### B. Landscape Surveys

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

### C. Other BMP 5 Actions

- |   |     |
|---|-----|
| 1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. Does your agency provide mixed-use accounts with landscape budgets? | no  |
| 2. Number of CII mixed-use accounts with landscape budgets.   | 0   |
| 3. Do you offer landscape irrigation training?  | yes |
| 4. Does your agency offer financial incentives to improve   | yes |

landscape water use efficiency?

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

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

No

a. If YES, describe below:

6. Do you have irrigated landscaping at your facilities?

yes

a. If yes, is it water-efficient?

yes

b. If yes, does it have dedicated irrigation metering?

no

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	0	0
2. Actual Expenditures	0	

**E. "At Least As Effective As"**

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

No

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

**F. Comments**

The meters listed above are under budget as part of the Municipal Water District of Orange County's Landscape Certification Program. This has been a two-year effort covering 2003 & 2004. Included in this program is an informal survey process. Since it is informal, under B above, #2 and #3 are listed as "0", while the components of the informal process are marked as "yes" in #4.

Reported as of 5/2

**BMP 06: High-Efficiency Washing Machine Rebate Programs**

Reporting Unit: **Moulton Niguel 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.

Southern California Edison, Pacific Gas & Electric and San Diego Gas and Electric have had rebates at one time or another.

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

3. What is the level of the rebate? 100

4. Number of rebates awarded. 630

**B. Rebate Program Expenditures**

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

**C. "At Least As Effective As"**

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

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

**D. Comments**

**BMP 07: Public Information Programs**

Reporting Unit: **Moulton Niguel 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.

Moulton Niguel Water District's Community Relations Program promotes and educates customers on water conservation. Monthly billing newsletters regularly address water conservation issues. Additional public information activities relating to conservation include: billing messages, previous usage shown on bill, brochures, lawn watering guides, special events, speaker's bureau, website information, etc. Landscape seminars are also offered throughout the year for both residential and commercial users.

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	yes	1
b. Public Service Announcement	no	
c. Bill Inserts / Newsletters / Brochures	yes	30
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	
f. Special Events, Media Events	yes	20
g. Speaker's Bureau	yes	6
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	65000	76000
2. Actual Expenditures	60000	

**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 5/2

### BMP 08: School Education Programs

Reporting Unit: **Moulton Niguel 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	40	3729	5
Grades 4th-6th	yes	18	1713	5
Grades 7th-8th	yes	0	0	5
High School	yes	0	0	5

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

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

#### B. School Education Program Expenditures

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

#### C. "At Least As Effective As"

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

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

#### D. Comments

Reported as of 5/2

**BMP 09: Conservation Programs for CII Accounts**

Reporting Unit:

**Moulton Niguel 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? yes

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0
CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no
Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	53	4250
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. 1.1
- 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. 9.91

**B. Conservation Program Expenditures for CII Accounts**

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	5232.5	

**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**

Reported as of 5/2

**BMP 09a: CII ULFT Water Savings**

Reporting Unit: **Moulton Niguel 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? 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.

See MWDCS Program Description

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

See MWDCS Program Description

**B. Implementation**

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) Yes

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No

3. What is the total number of customer accounts participating in the program during the last year? 1

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
a. Offices	27	0	0	0
b. Retail / Wholesale	0	0	0	0
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Government	0	0	0	0
i. Churches	0	0	0	0

j. Other 0 0 0 0

5. Program design.

Rebate or voucher

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

a. If yes, check all that apply.

7. Participant tracking and follow-up.

No follow-up

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

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

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

See MWDCS Program Description

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?

See MWDCS Program Description

**C. Conservation Program Expenditures for CII ULFT**

1. CII ULFT Program: Annual Budget & Expenditure Data

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

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	0
b. State agency contribution	0
c. Federal agency contribution	0

d. Other contribution	0
e. Total	0

**D. Comments**

Reported as of 5/2

**BMP 11: Conservation Pricing**

Reporting Unit:  
**Moulton Niguel 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	\$9854789
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$6832794

**2. Commercial**

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform
c. Total Revenue from Volumetric Rates	\$3771502
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$895477

**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	Service Not Provided
c. Total Revenue from Volumetric Rates	\$6188299
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$254772

**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**

	<b>This Year</b>	<b>Next Year</b>
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

**C. "At Least As Effective As"**

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

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

**D. Comments**

Reported as of 5/2

**BMP 12: Conservation Coordinator**

Reporting Unit: **Moulton Niguel Water District**      BMP Form Status: **100% Complete**      Year: **2003**

**A. Implementation**

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

**B. Conservation Staff Program Expenditures**

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

**C. "At Least As Effective As"**

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

**D. Comments**

Reported as of 5/2

**BMP 13: Water Waste Prohibition**

Reporting Unit: **Moulton Niguel 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:

2. Is a copy of the most current ordinance(s) on file with CUWCC? no

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:

**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:

none

**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**

Reported as of 5/2

**BMP 14: Residential ULFT Replacement Programs**

Reporting Unit: **Moulton Niguel 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
<b>Number of Toilets Replaced by Agency Program During Report Year</b>		
Replacement Method	SF Accounts	MF Units
2. Rebate	364	54
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	262	48
<b>Total</b>	<b>626</b>	<b>102</b>

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

Moulton Niguel Waer District participates in a region wide ULFT rebate program for both SF and MF. Our regional wholesaler, the Municipal Water District of Orange County (MWDOC), administers the program on our behalf. They contract with a vendor to market the program and facilitate the rebate process for our customers. The "Other" program is a distribution program that MWDOC administers on our behalf. They contract with a separate vendor that facilitates the distribution of ULFTs to our customers. This program is also for SF and MF.

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

See #6 above.

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

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

**B. Residential ULFT Program Expenditures**

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

**C. "At Least As Effective As"**

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

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

**D. Comments**

