

APPENDIX D

CUWCC BMP Reports

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

Reporting Unit:
San Diego County Water Authority

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

No

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

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

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

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO	106.1%	No	NO
2000	99-00	NO	97.9%	No	NO
2001	01-02	YES	99.6%	No	NO
2002	01-02	YES	101.3%	No	NO
2003	03-04	YES	99.8%	No	NO
2004	03-04	YES	100.2%	No	NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Unit:
San Diego County Water Authority

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

No

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

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

Test for Condition 1

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

BMP 7 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit:
San Diego County Water Authority

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

No

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

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

Test for Condition 1

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

BMP 8 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
San Diego County Water Authority

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

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

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

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

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

Test for Condition 1

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

BMP 11 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:
Alameda County Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

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

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00	YES	3
2000	99-00	YES	3
2001	01-02	YES	3
2002	01-02	YES	3
2003	03-04	YES	2
2004	03-04	YES	2

BMP 12 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**San Diego County Water
Authority**

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) 589289
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 591441
 - 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? 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:

AQUEDUCT PROTECTION PROGRAM. The Water Authority strategically shuts down and drains sections of its entire pipeline. Engineers enter the pipeline and inspect them internally. When deterioration is discovered, the Water Authority repairs or replaces the affected sections of pipe before they can fail. Since the program was initiated in 1990, no section of inspected pipeline has failed.

B. Survey Data

1. Total number of miles of distribution system line. 279
2. Number of miles of distribution system line surveyed. 29.2

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	610000	610000
2. Actual Expenditures	700000	

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

Note on #2. Metered deliveries include previously purchased water in storage sold to member agencies.

BMP 07: Public Information Programs

Reporting Unit:

San Diego County Water Authority

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.

The Authority's Public Affairs Department promotes water awareness through ongoing interaction with the media, participation in community events, and the publication of numerous educational materials. As a water wholesaler, the San Diego County Water Authority's partners with its 23 member agencies by hosting Joint Public Information Committee meetings, providing a Speaker's Bureau, training, and an Educational Program which offers a wide array of education opportunities and materials for students from kindergarten through high school.

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	2
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	no	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	2
g. Speaker's Bureau	yes	10
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	53252	53252
2. Actual Expenditures	53252	

C. "At Least As Effective As"

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

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

D. Comments

BMP 08: School Education Programs

Reporting Unit:

San Diego County Water Authority

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	0	0	0
Grades 7th-8th	yes	0	0	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? 9/1/1990

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	410628	410628
2. Actual Expenditures	411806	

C. "At Least As Effective As"

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

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

D. Comments

The Authority's regional School Program is an established program with a renowned reputation throughout the region. The Program offers students from kindergarden through high school, a wide array of educational opportunities including the Splash Mobile, water testing kits, and computer programs. The Program is available to over 400 elementary schools, over 80 middle schools, as well as over 60 high schools. Teachers are offered classroom presentations, mini-grants, and curriculum materials including videos, workbooks and other informational handouts. Since this Program reflects educational activity to all retail agencies, the number of class presentations, students reached, and teacher workshops are recorded in each of the Authority's member agencies BMP Report. However, the Authority has recorded overall expenditures in this wholesale report.

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:
**San Diego County Water
 Authority**

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

A. Implementation

1. Financial Support by BMP

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	20000	7125	8	yes	410628	411806
2	No	0	0	9	yes	100000	111203
3	No	610000	700000	10	yes	805775	726007
4	No			11	No		
5	yes	50000	31682	12	No		
6	yes	50000	50000	13	No		
7	No	53252	53252	14	yes	600000	428152

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys yes
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

Qualified No. FTE

Qualified No. FTE

BMP	Staff Available for BMP?	Staff Assigned to BMP	BMP	Staff Available for BMP?	Staff Assigned to BMP
1	yes	1	8	yes	3
2	No	0	9	yes	1
3	yes	18	10	yes	1
4	yes	1	11	yes	1
5	yes	1	12	yes	1
6	yes	1	13	yes	1
7	yes	1	14	yes	1

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	yes	8	yes
2	No	9	yes
3	yes	10	yes
4	yes	11	yes
5	yes	12	yes
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	805775	981186
2. Actual Expenditures	726007	

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

A.1. Costs associated to programs were included, but not staffing costs (except BMP7 which is staffing costs) A.3. Conservation staff consists of one Water Resources Manager, two WR Specialists, one Assistant WR Specialist. In addition, there are support staff such as Management Analyst, and Quality Control staff. Each program manager has several programs to manage. However, consultant's time was not included since all consultants work on a variety of programs. Therefore, staff resources is a conservative number for overall conservation effort.

BMP 11: Conservation Pricing

Reporting Unit:
San Diego County Water Authority

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

2. Commercial

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

3. Industrial

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

4. Institutional / Government

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

5. Irrigation

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

6. Other

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$256966097

d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue Sources \$99287528

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

BMP 12: Conservation Coordinator

Reporting Unit:
**San Diego County Water
Authority**

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ?
4. Partner agency's name: NA
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Bill Jacoby
 - c. Coordinator's Title Water Resources Manager
 - d. Coordinator's Experience and Number of Years 18 years in program implementation and policy making
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/15/1988
6. Number of conservation staff, including Conservation Coordinator. 5

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	97307	97307
2. Actual Expenditures	97307	

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 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**San Diego County Water
Authority**

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) 659244
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 650695
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 1.01
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:

AQUEDUCT PROTECTION PROGRAM. The Water Authority strategically shuts down and drains sections of its entire pipeline. Engineers enter the pipeline and inspect them internally. When deterioration is discovered, the Water Authority repairs or replaces the affected sections of pipe before they can fail. Since the program was initiated in 1990, no section of inspected pipeline has failed.

B. Survey Data

1. Total number of miles of distribution system line. 279
2. Number of miles of distribution system line surveyed. 54.5

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	610000	610000
2. Actual Expenditures	965000	

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

Note on #2. Metered deliveries include previously purchased water in storage sold to member agencies.

BMP 07: Public Information Programs

Reporting Unit:

**San Diego County Water
Authority**

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.

The Authority's Public Affairs Department promotes water awareness through ongoing interaction with the media, participation in community events, and the publication of numerous educational materials. As a water wholesaler, the San Diego County Water Authority's partners with its 23 member agencies by hosting Joint Public Information Committee meetings, providing a Speaker's Bureau, training, and an Educational Program which offers a wide array of education opportunities and materials for students from kindergarten through high school.

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	4
b. Public Service Announcement	yes	4
c. Bill Inserts / Newsletters / Brochures	yes	12
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	2
g. Speaker's Bureau	yes	15
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	53252	53252
2. Actual Expenditures	53252	

C. "At Least As Effective As"

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

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

D. Comments

BMP 08: School Education Programs

Reporting Unit:
**San Diego County Water
 Authority**

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	0	0	0
Grades 4th-6th	yes	0	0	0
Grades 7th-8th	yes	0	0	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? 9/1/1990

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	410628	461256
2. Actual Expenditures	411806	

C. "At Least As Effective As"

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

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

D. Comments

The Authority's regional School Program is an established program with a renowned reputation throughout the region. The Program offers students from kindergarden through high school, a wide array of educational opportunities including the Splash Mobile, water testing kits, and computer programs. The Program is available to over 400 elementary schools, over 80 middle schools, as well as over 60 high schools. Teachers are offered classroom presentations, mini-grants, and curriculum materials including videos, workbooks and other informational handouts. Since this Program reflects educational activity to all retail agencies, the number of class presentations, students reached, and teacher workshops are recorded in each of the Authority's member agencies BMP Report. However, the Authority has recorded overall expenditures in this wholesale report.

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:

San Diego County Water Authority

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

1. Financial Support by BMP

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	20000	6353	8	yes	410628	411806
2	No			9	yes	100000	105715
3	No	610000	965000	10	yes	981186	913368
4	No			11	No		
5	yes	45000	24387	12	No		
6	yes	100000	107639	13	No		
7	yes	53252	53252	14	yes	600000	611582

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys yes
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

Qualified No. FTE

Qualified No. FTE

BMP	Staff Available for BMP?	Staff Assigned to BMP	BMP	Staff Available for BMP?	Staff Assigned to BMP
1	yes	1	8	yes	3
2	No	0	9	yes	1
3	yes	18	10	yes	1
4	yes	1	11	yes	1
5	yes	1	12	yes	1
6	yes	1	13	yes	1
7	yes	1	14	yes	1

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	yes	8	yes
2	No	9	yes
3	yes	10	yes
4	yes	11	yes
5	yes	12	yes
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	981186	990000
2. Actual Expenditures	913368	

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

Internal conservation staff consists of one Water Resources Manager, two WR Specialists, one Assistant WR Specialist. In addition, there are several support staff such as a Management Analyst and Quality Control staff. Each program manager is responsible for more than one program, however, consultant time is not added to the above table. The number of FTE shown in BMP 10 (wholesale agency) are the same FTE that are reflected in various BMPs.

BMP 11: Conservation Pricing

Reporting Unit:
San Diego County Water Authority

BMP Form
Status:
100% Complete

Year:
2002

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

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

2. Commercial

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

3. Industrial

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

4. Institutional / Government

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

5. Irrigation

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

6. Other

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$285092217

d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue Sources \$94946607

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

BMP 12: Conservation Coordinator

Reporting Unit:
**San Diego County Water
Authority**

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? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ?
4. Partner agency's name: NA
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Bill Jacoby
 - c. Coordinator's Title Water Resources Manager
 - d. Coordinator's Experience and Number of Years 19 years in program implementation and policy making
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/15/1988
6. Number of conservation staff, including Conservation Coordinator. 5

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	97307	98728
2. Actual Expenditures	97307	

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 12: Conservation Coordinator

Reporting Unit:

**San Diego County Water
Authority**

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? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ?
4. Partner agency's name: NA
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Bill Jacoby
 - c. Coordinator's Title Water Resources Manager
 - d. Coordinator's Experience and Number of Years 19 years in program implementation and policy making
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/15/1988
6. Number of conservation staff, including Conservation Coordinator. 5

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	97307	98728
2. Actual Expenditures	97307	

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 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
San Diego County Water Authority

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

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

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

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

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO	106.1%	No	NO
2000	99-00	NO	97.9%	No	NO
2001	01-02	YES	99.6%	No	NO
2002	01-02	YES	101.3%	No	NO
2003	03-04	YES	99.8%	No	NO
2004	03-04	YES	100.2%	No	NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Unit:
San Diego County Water Authority

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

No

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

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

Test for Condition 1

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

BMP 7 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit:
San Diego County Water Authority

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

No

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

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

Test for Condition 1

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

BMP 8 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
San Diego County Water Authority

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

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

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

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

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

Test for Condition 1

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

BMP 11 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:
Triunfo Sanitation District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

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

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00	YES	2
2000	99-00	YES	3
2001	01-02	YES	3
2002	01-02	YES	3
2003	03-04	YES	1
2004	03-04	YES	1

BMP 12 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

San Diego County Water Authority

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) 614939
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 615892
 - 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? 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:

AQUEDUCT PROTECTION PROGRAM. The Water Authority strategically shuts down and drains sections of its entire pipeline. Engineers enter the pipeline and inspect them internally. When deterioration is discovered, the Water Authority repairs or replaces the affected sections of pipe before they can fail. This systematic maintenance and repair program prevents leaks. Since the program was initiated in 1990, no section of inspected pipeline has failed

B. Survey Data

1. Total number of miles of distribution system line. 300
2. Number of miles of distribution system line surveyed. 53.9

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	797500	869100
2. Actual Expenditures	885294	

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 07: Public Information Programs

Reporting Unit:
**San Diego County Water
Authority**

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.

The Authority's Public Affairs Department promotes water awareness through ongoing interaction with the media, participation in community events, and the publication of numerous educational materials. As a water wholesaler, the San Diego County Water Authority's partners with its 23 member agencies by hosting Joint Public Information Committee meetings, providing a Speaker's Bureau, training, and an Educational Program which offers a wide array of education opportunities and materials for students from kindergarten through high school.

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	4
b. Public Service Announcement	yes	2
c. Bill Inserts / Newsletters / Brochures	yes	10
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	yes	6
f. Special Events, Media Events	yes	5
g. Speaker's Bureau	yes	80
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	53252	56736
2. Actual Expenditures	53252	

C. "At Least As Effective As"

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

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

D. Comments

BMP 08: School Education Programs

Reporting Unit:
San Diego County Water Authority

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	153	23204	0
Grades 4th-6th	yes	910	44486	94
Grades 7th-8th	yes	0	0	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? 09/01/1990

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	473717	563810
2. Actual Expenditures	492505	

C. "At Least As Effective As"

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

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

D. Comments

The Water Authority's regional School Program is an established program with a renowned reputation throughout the region. The Program offers students from kindergarden through high school, a wide array of educational opportunities including the Splash Mobile, water testing kits, and computer programs. Classroom presentations reach over 44,000 students in the San Diego County, and almost 100 workshops are provided for local teachers. The Program is available to over 417 elementary schools, over 90 middle schools, as well as over 71 high schools. Teachers are offered classroom presentations, mini-grants, and curriculum materials including videos, workbooks and other informational handouts. Since this Program reflects educational activity to all retail agencies, the number of class presentations, students reached, and teacher workshops are recorded in each of the Authority's member agencies BMP Report. However, the Water Authority has recorded overall expenditures in this wholesale report.

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:

San Diego County Water Authority

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Financial Support by BMP

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	26000	12650	8	yes	473717	492505
2	No			9	yes	150000	108288
3	No	610000	610000	10	yes	985435	945040
4	No			11	No		
5	yes	45000	33523	12	No		
6	yes	150000	194985	13	No		
7	yes	53252	58577	14	yes	550000	595593

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys yes
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

Qualified No. FTE

Qualified No. FTE

BMP	Staff Available for BMP?	Staff Assigned to BMP	BMP	Staff Available for BMP?	Staff Assigned to BMP
1	yes	1	8	yes	3
2	No	0	9	yes	1
3	yes	18	10	yes	1
4	yes	1	11	yes	1
5	yes	1	12	yes	1
6	yes	1	13	No	
7	yes	1	14	yes	1

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	yes	8	yes
2	No	9	yes
3	yes	10	yes
4	No	11	yes
5	yes	12	yes
6	yes	13	No
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	373680	394526
2. Actual Expenditures	373680	

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

Internal conservation staff consists of one Water Resources Manager, two WR Specialists, one Assistant WR Specialist. In addition, there are several support staff such as a Management Analyst and Quality Control staff. Each program manager is responsible for more than one program, however, consultant time is not added to the above table. The number of FTE shown in BMP 10 (wholesale agency) are the same FTE that are reflected in various BMPs.

BMP 11: Conservation Pricing

Reporting Unit:
San Diego County Water Authority

BMP Form
Status:
100% Complete

Year:
2003

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$274280932
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$96009705

2. Commercial

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

3. Industrial

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

4. Institutional / Government

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

5. Irrigation

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

6. Other

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$

d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
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

1.a. Unbundled. Choice not available.

BMP 12: Conservation Coordinator

Reporting Unit:
**San Diego County Water
Authority**

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? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ?
4. Partner agency's name: NA
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Bill Jacoby
 - c. Coordinator's Title Water Resources Manager
 - d. Coordinator's Experience and Number of Years 20 years in program implementation & policy making
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/15/1988
6. Number of conservation staff, including Conservation Coordinator. 5

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	98728	119574
2. Actual Expenditures	98728	

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 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

San Diego County Water
Authority

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) 642659
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 641086
 - 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? 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:

AQUEDUCT PROTECTION PROGRAM. The Water Authority strategically shuts down and drains sections of its entire pipeline. Engineers enter the pipeline and inspect them internally. When deterioration is discovered, the Water Authority repairs or replaces the affected sections of pipe before they can fail. This systematic maintenance and repair program prevents leaks. Since the program was initiated in 1990, no section of inspected pipeline has failed

B. Survey Data

1. Total number of miles of distribution system line. 300
2. Number of miles of distribution system line surveyed. 59.1

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	869100	869100
2. Actual Expenditures	2211419	

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

Note: Substantial increase in Actual Expenditures reflects aggressive preventative maintenance on pipeline

BMP 07: Public Information Programs

Reporting Unit:
**San Diego County Water
Authority**

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.

The Authority's Public Affairs Department promotes water awareness through ongoing interaction with the media, participation in community events, and the publication of numerous educational materials. As a water wholesaler, the San Diego County Water Authority's partners with its 23 member agencies by hosting Joint Public Information Committee meetings, providing a Speaker's Bureau, training, and an Educational Program which offers a wide array of education opportunities and materials for students from kindergarten through high school.

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	4
b. Public Service Announcement	yes	2
c. Bill Inserts / Newsletters / Brochures	yes	10
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	yes	6
f. Special Events, Media Events	yes	5
g. Speaker's Bureau	yes	80
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	56736	56736
2. Actual Expenditures	56736	

C. "At Least As Effective As"

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

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

D. Comments

BMP 08: School Education Programs

Reporting Unit:

San Diego County Water
Authority

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	153	23204	0
Grades 4th-6th	yes	910	44486	94
Grades 7th-8th	yes	0	0	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? 09/01/1990

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	563810	563810
2. Actual Expenditures	492505	

C. "At Least As Effective As"

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

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

D. Comments

The Water Authority's regional School Program is an established program with a renowned reputation throughout the region. The Program offers students from kindergarden through high school, a wide array of educational opportunities including the Splash Mobile, water testing kits, and computer programs. Classroom presentations reach over 44,000 students in the San Diego County, and almost 100 workshops are provided for local teachers. The Program is available to over 417 elementary schools, over 90 middle schools, as well as over 71 high schools. Teachers are offered classroom presentations, mini-grants, and curriculum materials including videos, workbooks and other informational handouts. Since this Program reflects educational activity to all retail agencies, the number of class presentations, students reached, and teacher workshops are recorded in each of the Authority's member agencies BMP Report. However, the Water Authority has recorded overall expenditures in this wholesale report.

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:
San Diego County Water Authority

BMP Form Status: **100% Complete**
 Year: **2004**

A. Implementation

1. Financial Support by BMP

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	26000	13437	8	yes	492505	563810
2	No			9	yes	150000	108289
3	No	610000	610000	10	yes	851500	938685
4	No			11	No		
5	yes	45000	31692	12	No		
6	yes	237000	275962	13	No		
7	yes	58500	64434	14	yes	393500	461991

2. Technical Support

-
- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
 - b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
 - c. Has your agency conducted or funded workshops addressing:
 - 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys yes
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

Qualified	No. FTE	Qualified	No. FTE
-----------	---------	-----------	---------

BMP	Staff Available for BMP?	Staff Assigned to BMP	BMP	Staff Available for BMP?	Staff Assigned to BMP
1	yes	1	8	yes	3
2	No		9	yes	1
3	yes	18	10	yes	1
4	yes	1	11	yes	1
5	yes	1	12	yes	1
6	yes	1	13	No	
7	yes	1	14	yes	1

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	yes	8	yes
2	No	9	yes
3	yes	10	yes
4	No	11	yes
5	yes	12	yes
6	yes	13	No
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	851500	851500
2. Actual Expenditures	938685	

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

Internal conservation staff consists of one Water Resources Manager, two WR Specialists, one Assistant WR Specialist. In addition, there are several support staff such as a Management Analyst and Quality Control staff. Each program manager is responsible for more than one program, however, consultant time is not added to the above table. The number of FTE shown in BMP 10 (wholesale agency) are the same FTE that are reflected in various BMPs.

BMP 11: Conservation Pricing

Reporting Unit:
San Diego County Water Authority

BMP Form
Status:
100% Complete

Year:
2004

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$289577982
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$74935351

2. Commercial

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

3. Industrial

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

4. Institutional / Government

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

5. Irrigation

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

6. Other

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$

d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
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

6. Other. Unbundled. No such choice available.

BMP 12: Conservation Coordinator

Reporting Unit:

**San Diego County Water
Authority**

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? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ?
4. Partner agency's name: NA
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Bill Jacoby
 - c. Coordinator's Title Water Resources Manager
 - d. Coordinator's Experience and Number of Years 21 years in program implementation & policy making
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/15/1988
6. Number of conservation staff, including Conservation Coordinator. 5

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	119574	119574
2. Actual Expenditures	119574	

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