

**2003-04  
WHOLESALE BMP REPORTS**

### BMP 07: Public Information Programs

Reporting Unit: **North of the River MWD - Wholesale**      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.

PROGRAMS CONDUCTED BY THE DISTRICT \* Customers receive Annual Water Quality & Consumer Confidence Report \* Bills Show comparison water usage with previous year on metered accounts. \* Bills have conservation messages. PROGRAMS CONDUCTED BY KERN COUNTY WATER AGENCY (KCWA) AND WATER ASSOCIATION OF KERN COUNTY (WAKC) \* KCWA "Water Age" newsletter is distributed monthly to members of all water related agencies and public organizations, and private organizations involved with water. \* The WAKC conducts annual Water Awareness Days at the K.C. Fair Grounds \* WAKC runs annual TV public Service announcements called Water Watchers. \* Speakers from KWCA and WAKC address public forums and service groups on water related issues.

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	20
c. Bill Inserts / Newsletters / Brochures	yes	21
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	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	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

Oildale Mutual water Company benefits from the Public Information programs of the Kern County Water Agency/Water Association of Kern County in the same manner as NORMWD.

Reported as of 10

**BMP 07: Public Information Programs**

Reporting Unit: **North of the River MWD - Wholesale**      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.

PROGRAMS CONDUCTED BY THE DISTRICT \* Customers receive Annual Water Quality & Consumer Confidence Report \* Bills Show comparison water usage with previous year on metered accounts. \* Bills have conservation messages. An NORMWD semi-annual newsletter, "Water News," is mailed to all accounts. PROGRAMS CONDUCTED BY KERN COUNTY WATER AGENCY (KCWA) AND WATER ASSOCIATION OF KERN COUNTY (WAKC) \* KCWA "Water Age" newsletter is distributed monthly to members of all water related agencies and public organizations, and private organizations involved with water. \* The WAKC conducts annual Water Awareness Days at the K.C. Fair Grounds \* WAKC runs annual TV public Service announcements called Water Watchers. \* Speakers from KWCA and WAKC address public forums and service groups on water related issues

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	20
c. Bill Inserts / Newsletters / Brochures	yes	21
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	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	0	4000
2. Actual Expenditures	1750	

**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**

Oildale Mutual water Company benefits from the Public Information programs of the Kern County Water Agency/Water Association of Kern County in the same manner as NORMWD. This year OMWC & NORMWD began publishing a joint newsletter bi-annually featuring current district water news including conservation information.

Reported as of 10

**BMP 08: School Education Programs**

Reporting Unit:

North of the River MWD -  
WholesaleBMP Form Status:  
100% CompleteYear:  
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	145	2800	1
Grades 4th-6th	yes	74	2500	1
Grades 7th-8th	yes	2	40	1
High School	yes	1	40	1

3. Did your Agency's materials meet state education framework requirements? yes4. When did your Agency begin implementing this program? 09/01/1989**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**

\*KCWA has a paid consultant who visits schools about 3 times weekly during the school year. She typically sees 4-5 classes each visit, distributing water awareness and conservation materials and making students aware of the importance of water. \*Occasional teacher workshops are conducted. \*The materials are grade specific. \*The materials and format meet state education framework requirements. \*The consultant is scheduled to visit all schools in our retail and wholesale district on an ongoing basis.

Reported as of 10

**BMP 08: School Education Programs**

Reporting Unit:  
**North of the River MWD - Wholesale**

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	140	2900	1
Grades 4th-6th	yes	70	2500	1
Grades 7th-8th	yes	1	20	1
High School	yes	1	40	1

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

4. When did your Agency begin implementing this program? 09/01/1989

**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**

\*KCWA has a paid consultant who visits schools about 3 times weekly during the school year. She typically sees 4-5 classes each visit, distributing water awareness and conservation materials and making students aware of the importance of water. \*Occasional teacher workshops are conducted. \*The materials are grade specific. \*The materials and format meet state education framework requirements. \*The consultant is scheduled to visit all schools in our retail and wholesale district on an ongoing basis.

Reported as of 10

### BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:  
North of the River MWD - Wholesale

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	No			8	No		
2	No			9	No		
3	No			10	No		
4	No			11	No		
5	No			12	No		
6	No			13	No		
7	No			14	No		

##### 2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? No
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? No
- c. Has your agency conducted or funded workshops addressing:
  - 1) ULFT replacement No
  - 2) Residential retrofits No
  - 3) Commercial, industrial, and institutional surveys No
  - 4) Residential and large turf irrigation No
  - 5) Conservation-related rates and pricing No

##### 3. Staff Resources by BMP

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	No		8	No	

2	No	9	No
3	No	10	No
4	No	11	No
5	No	12	No
6	No	13	No
7	No	14	No

**4. Regional Programs by BMP**

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

**B. Wholesale Agency Assistance 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**

The District has approached our wholesaler, Oildale Mutual Water Company, but to date they are not interested in participating in any of our water conservation programs.

Reported as of 10

### BMP 10: Wholesale Agency Assistance Programs

Reporting Unit: **North of the River MWD - Wholesale**      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	No			8	No		
2	No			9	No		
3	No			10	No		
4	No			11	No		
5	No			12	No		
6	No			13	No		
7	No			14	No		

**2. Technical Support**

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? No
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? No
- c. Has your agency conducted or funded workshops addressing:
  - 1) ULFT replacement No
  - 2) Residential retrofits No
  - 3) Commercial, industrial, and institutional surveys No
  - 4) Residential and large turf irrigation No
  - 5) Conservation-related rates and pricing No

**3. Staff Resources by BMP**

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	No		8	No	

2	No	9	No
3	No	10	No
4	No	11	No
5	No	12	No
6	No	13	No
7	No	14	No

**4. Regional Programs by BMP**

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

**B. Wholesale Agency Assistance 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
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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 District has approached our wholesaler, Oildale Mutual Water Company, but to date they are not interested in participating in any of our water conservation programs. However, in May of 2004 we published a joint newsletter containing water conservation information, and plan another issue in September 04.

Reported as of 10

**BMP 12: Conservation Coordinator**

Reporting Unit:  
**North of the River MWD -  
 Wholesale**

BMP Form Status:  
**100% Complete**

Year:  
**2003**

**A. Implementation**

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? no
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name:
5. If your agency supplies the conservation coordinator:
  - a. What percent is this conservation coordinator's position? 60%
  - b. Coordinator's Name Tom Holson
  - c. Coordinator's Title Water Conservation Coordinator
  - d. Coordinator's Experience and Number of Years Eight years as NORMWD Board Director, 1 1/2 years as WC Coordinator, AWWA Level 1 Conservation Practioner, IRA Certified Landscape Irrigation Auditor
  - e. Date Coordinator's position was created (mm/dd/yyyy) 12/06/2002
6. Number of conservation staff, including Conservation Coordinator. 1

**B. Conservation Staff Program Expenditures**

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

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

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

**D. Comments**

Because of the Districts size, It is believed that a part time contractor can provide the services to develop, implement, and maintain the program. The current arrangement is 20 hours a week. Coordinator services continue to be available to the wholesaler, Oildale Mutual Water Company.

Reported as of 10

**BMP 12: Conservation Coordinator**

Reporting Unit:  
**North of the River MWD - Wholesale**

BMP Form Status:  
**100% Complete**

Year:  
**2004**

**A. Implementation**

- 1. Does your Agency have a conservation coordinator? yes
- 2. Is this a full-time position? no
- 3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program? no
- 4. Partner agency's name:
- 5. If your agency supplies the conservation coordinator:
  - a. What percent is this conservation coordinator's position? 40%
  - b. Coordinator's Name Tom Holson
  - c. Coordinator's Title Water Conservation Coordinator
  - d. Coordinator's Experience and Number of Years Eight years as NORMWD Board Director, 2-1/2 years as WC Coordinator, AWWA Level 1 Conservation Practioner, IRA Certified Landscape Irrigation Auditor
  - e. Date Coordinator's position was created (mm/dd/yyyy) 12/01/2001
- 6. Number of conservation staff, including Conservation Coordinator. 1

**B. Conservation Staff Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	0	4000
2. Actual Expenditures	1750	

**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**

Because of the Districts size, It is believed that a part time contractor can provide the services to develop, implement, and maintain the program. The current arrangement is 14 hours a week. Coordinator services continue to be available to the wholesaler, Oildale Mutual Water Company. This year we began publishing a joint bi-annual newsletter.

Reported as of 10

**2003-04 & 2005-06  
WHOLESALE AND RETAIL  
EXEMPTION REPORTS**



# North of the River Municipal Water District

4000 Rio Del Norte Street • Bakersfield, CA 93308 • Office (661) 393-5411 • FAX (661) 399-8911

Mary Ann Dickinson  
Executive Director  
California Urban Water Conservation Council  
455 Capital Mall, Suite 703  
Sacramento, CA 95814

September 13, 2002

✓ #1

## Exemption For Retail Accounts

Dear Mary Ann:

North of the River Municipal Water District is seeking exemption for seven of the fourteen Best Management Practices required by the council's Memorandum of Understanding, for our retail accounts.

These BMPs were found to be not cost-effective by a study conducted for the District by Maddaus Water Management in August 2001.

- No. 3 – System Water Audits, Leak Detection and Repair
- No. 4 – Metering with Commodity Rates
- No. 5 – Large Landscape Conservation Programs and Incentives
- No. 6 – High Efficiency Appliances Promotion Programs
- No. 11 – Non-Promotional Water Pricing Programs
- No. 13 – Waste water Prohibitions
- No. 14 – Residential Ultra Low Flush Toilet Replacement

A copy of the Maddaus Report is attached for your convenience.

While the District is seeking exemptions from the full implementation of these BMPs because of the costs, we have found areas within several of them where we can cost-effectively assist our customers in reducing their water usage. Our efforts will be reported to you in future BMP reports.

If you have questions or need additional information, please contact Tom Holson, our Water Conservation Coordinator.

Sincerely,

William R. Miller  
Manager



# North of the River Municipal Water District

4000 Rio Del Norte Street • Bakersfield, CA 93308 • Office (661) 393-5411 • FAX (661) 399-8911

Mary Ann Dickinson  
Executive Director  
California Urban Water Conservation Council  
455 Capital Mall, Suite 703  
Sacramento, CA 95814

November 14, 2002

*letter #2*

## Additional Exemption For Retail Accounts

Dear Mary Ann:

After more closely reviewing BMP 9A, we find that it requires the implementation of a CII ULFT replacement program very similar to the requirements of BMP14. The study conducted by Maddaus Water Management, August 2001, found that ULFT replacement programs ~~were~~<sup>are</sup> not cost-effective to the District. For this reason North of the River Municipal Water District requests that the Council add BMP 9A to the previously requested list of exemptions.

- No. 3 – System Water Audits, Leak Detection and Repair
- No. 4 – Metering with Commodity Rates
- No. 5 – Large Landscape Conservation Programs and Incentives
- No. 6 – High Efficiency Appliances Promotion Programs
- No. 9A – CII ULFT Water Savings**
- No. 11– Non-Promotional Water Pricing Programs
- No. 13– Waste water Prohibitions
- No. 14– Residential Ultra Low Flush Toilet Replacement

The Maddaus Water Management Report is available, in the event you need additional copies.

The District has applied for a DWR Water Use Efficiency Grant for a ULFT replacement project. When, and if, this program is funded, and the application is accepted, NORMWD plans to implement toilet replacement programs that will comply with both BMP 9A and 14.

If you have questions or need additional information, please contact Tom Holson, our Water Conservation Coordinator.

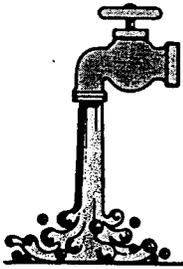
Sincerely,

William R. Miller  
Manager

RECEIVED

OCT 25 2004

INCORPORATED OCTOBER 30, 1919



**Oildale  
Mutual  
Water  
Company**

NORTH OF THE RIVER MWD

Phone (661) 399-5516

Fax (661) 399-5598

2836 McCray

P. O. Box 5638

BAKERSFIELD, CA 93388

October 21, 2004

North of the River Municipal Water District  
4000 Rio Del Norte Street  
Bakersfield, CA 93308

Attention: Bill Miller

Re: OFFER OF WHOLESALER ASSISTANCE FOR OMWC; IMPLEMENTATION  
OF BMP'S 3 AND 11

*Bill*  
Dear Mr. Miller:

I appreciate the offer of your assistance in the implementation of water conservation activities within our service area. We currently provide water conservation activities to our customers which we have determined to be cost-effective and therefore will not need your assistance in furthering any of these activities.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug Nunneley". The signature is fluid and cursive, with a long, sweeping tail that extends downwards and to the right.

Douglas R. Nunneley  
General Manager

04\_Oct.wpd



# *North of the River Municipal Water District*

4000 Rio Del Norte Street • Bakersfield, CA 93308 • Office (661) 393-5411 • FAX (661) 399-8911

Mary Ann Dickinson  
Executive Director  
California Urban Water Conservation Council  
455 Capital Mall, Suite 703  
Sacramento, CA 95814

October 11, 2004

## **Exemption For Retail Accounts For the 2005-06 Reporting Period**

Dear Mary Ann:

North of the River Municipal Water District is seeking exemption for 8 of the fourteen Best Management Practices required by the council's Memorandum of Understanding, for our retail accounts for the 2005-06 reporting period.

These BMPs were found to be not cost-effective by a study conducted for the District by Maddaus Water Management in August 2001.

- No. 3 – System Water Audits, Leak Detection and Repair
- No. 4 – Metering with Commodity Rates
- No. 5 – Large Landscape Conservation Programs and Incentives
- No. 6 – High Efficiency Appliances Promotion Programs
- No. 9a – CII ULFT Water Savings
- No. 11– Non-Promotional Water Pricing Programs
- No. 13– Waste water Prohibitions
- No. 14– Residential Ultra Low Flush Toilet Replacement

A copy of the Maddaus Report is available at your request.

If you have questions or need additional information, please contact Tom Holson, our Water Conservation Coordinator.

Sincerely,

William R. Miller  
Manager



# *North of the River Municipal Water District*

4000 Rio Del Norte Street • Bakersfield, CA 93308 • Office (661) 393-5411 • FAX (661) 399-8911

Mary Ann Dickinson  
Executive Director  
California Urban Water Conservation Council  
455 Capital Mall, Suite 703  
Sacramento, CA 95814

October 11, 2004

## **Exemption For Wholesale Accounts For 2005-06 Reporting Period**

Dear Mary Ann:

North of the River Municipal Water District is seeking exemption for two of the six Best Management Practices required by the Council's Memorandum of Understanding, for our wholesale operations for the 2005-06 reporting period.

These BMPs were found to be not cost-effective by a study conducted for the District by Maddaus Water Management in August 2001.

- No. 3 – System Water Audits, Leak Detection and Repair
- No. 11– Non-Promotional Water Pricing Programs

A copy of the Maddaus Report is available at your request.

If you have questions or need additional information, please contact Tom Holson, our Water Conservation Coordinator.

Sincerely,

William R. Miller  
Manager



# *North of the River Municipal Water District*

4000 Rio Del Norte Street • Bakersfield, CA 93308 • Office (661) 393-5411 • FAX (661) 399-8911

Mary Ann Dickinson  
Executive Director  
California Urban Water Conservation Council  
455 Capital Mall, Suite 703  
Sacramento, CA 95814

September 13, 2002

## **Exemption For Wholesale Accounts**

Dear Mary Ann:

North of the River Municipal Water District is seeking exemption for two of the six Best Management Practices required by the Council's Memorandum of Understanding, for our wholesale operations.

These BMPs were found to be not cost-effective by a study conducted for the District by Maddaus Water Management in August 2001.

- No. 3 – System Water Audits, Leak Detection and Repair
- No. 11– Non-Promotional Water Pricing Programs

A copy of the Maddaus Report is attached for your convenience.

While the District is seeking exemptions from the full implementation of these BMPs because of the costs, there are areas within them where we can cost-effectively assist our wholesale customer in reducing his water usage. Our efforts will be reported to you in future BMP reports.

If you have questions or need additional information, please contact Tom Holson, our Water Conservation Coordinator.

Sincerely,

William R. Miller  
Manager

**2003-04  
BMP COVERAGE REPORTS**



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

Reporting Unit:  
**North of the River MWD - Retail**

You are viewing coverage for:

**BMP 01**  
**03-04**

◀ **YRs** ▶  
 DN - UP

**MOU Exhibit 1 Coverage Requirement**  
 No exemption request filed  
 Agency indicated "at least as effective as" implementation during report period? No

◀ **BMPs** ▶  
 DN - UP

A Reporting Unit (RU) must meet three conditions to satisfy strict compliance for BMP 1.

**Print Report**

- Condition 1: Adopt survey targeting and marketing strategy on time
- Condition 2: Offer surveys to 20% of SF accounts and 20% of MF units during report period
- Condition 3: Be on track to survey 15% of SF accounts and 15% of MF units within 10 years of implementation start date.

**Logout**

**Memorandum of Understanding**

### Test for Condition 1

North of the River MWD - Retail to Implement Targeting/Marketing Program by:	2003		
		<u>Single-Family</u>	<u>Multi-Family</u>
Year North of the River MWD - Retail Reported Implementing Targeting/Marketing Program:	2002	2002	2002
North of the River MWD - Retail Met Targeting/Marketing Coverage Requirement:	YES	YES	YES

### Test for Condition 2

		<u>Single-Family</u>	<u>Multi-Family</u>		
Survey Program to Start by:	2002	Residential Survey Offers (%)	177.64%	97.78%	
Reporting Period:	03-04	Survey Offers ≥ 20%	YES	YES	

### Test for Condition 3

		<u>Single Family</u>	<u>Multi-Family</u>
Total Completed Surveys 1999 - 2004:		45	82
Past Credit for Surveys Completed Prior to 1999 (Implementation of Reporting Database):			

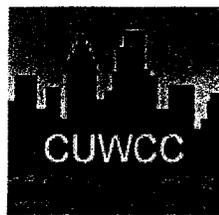
Total + Credit	45	82
Residential Accounts in Base Year	1,673	1,125
North of the River MWD - Retail Survey Coverage as % of Base Year Residential Accounts	2.69%	7.29%
Coverage Requirement by Year 3 of Implementation per Exhibit 1	2.50%	2.50%
North of the River MWD - Retail on Schedule to Meet 10-Year Coverage Requirement	YES	YES

**BMP 01 COVERAGE STATUS SUMMARY:**  
**Water supplier is meeting coverage requirements for this BMP.**

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## BMP 02 Coverage: Residential Plumbing Retrofit

Reporting Unit:  
**North of the River MWD - Retail**

You are viewing coverage for:  
**BMP 02**  
**03-04**  
YRs  
DN - UP

BMPs  
DN - UP

**Print Report**

**Logout**

**Memorandum of Understanding**

### MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

An agency must meet one of three conditions to satisfy strict compliance for BMP 2.

Condition 1: The agency has demonstrated that 75% of SF accounts and 75% of MF units constructed prior to 1992 are fitted with low-flow showerheads.

Condition 2: An enforceable ordinance requiring the replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts is in place for the agency's service area.

Condition 3: The agency has distributed or directly installed low-flow showerheads and other low-flow plumbing devices to not less than 10% of single-family accounts and 10% of multi-family units constructed prior to 1992 during the reporting period.

#### Test for Condition 1

Report Year	Report Period	Single-Family		Multi-Family	
		Reported Saturation	Saturation ≥ 75%?	Reported Saturation	Saturation > 75%?
1999	99-00				
2000	99-00				
2001	01-02				
2002	01-02				
2003	03-04	48.00%	NO	60.00%	NO
2004	03-04	48.00%	NO	60.00%	NO

#### Test for Condition 2

Report Year	Report Period	North of the River MWD - Retail has ordinance requiring showerhead retrofit?
1999	99-00	
2000	99-00	
2001	01-02	
2002	01-02	
2003	03-04	NO
2004	03-04	NO

#### Test for Condition 3

Reporting Period: 03-04

<u>1992 SF Accounts</u>	<u>Num. Showerheads Distributed to SF Accounts</u>	<u>Single-Family Coverage Ratio</u>	<u>SF Coverage Ratio &gt; 10%</u>
1,290	23	1.8%	NO
<u>1992 MF Accounts</u>	<u>Num. Showerheads Distributed to MF Accounts</u>	<u>Multi-Family Coverage Ratio</u>	<u>MF Coverage Ratio &gt; 10%</u>
595	131	22.0%	YES

**BMP 2 COVERAGE STATUS SUMMARY:****Water supplier has not met one or more coverage requirements for this BMP.**[Home](#)[Contact Us](#)[FAQs](#)[Coverage](#)[Summaries](#)[Logout](#)

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Reported as of 8/

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

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement



Exemption request filed WITH supporting documentation      Exemption Type: Cost Effectiveness  
Agency indicated "at least as effective as" implementation during report period?      No

Warning: The BMP 3 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

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

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

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

#### Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00				
2000	99-00				
2001	01-02				
2002	01-02				
2003	03-04				
2004	03-04				

**BMP 3 COVERAGE STATUS SUMMARY:**  
Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.

Reported as of 8/

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

Reporting Unit:  
North of the River MWD -  
Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement

Exemption request filed WITH supporting documentation      Exemption Type: Cost Effectiveness  
Agency indicated "at least as effective as" implementation during report period?      No

An agency must be on track to retrofit 100% of its unmetered accounts within 10 years to be in compliance with BMP 4.

### Test for Compliance

Total Meter Retrofits Reported through 2004	
No. of Unmetered Accounts in Base Year	1,469
Meter Retrofit Coverage as % of Base Year Unmetered Accounts	
Coverage Requirement by Year 2 of Implementation per Exhibit 1	10.0%
RU on Schedule to meet 10 Year Coverage Requirement	NO

**BMP 4 COVERAGE STATUS SUMMARY:**  
Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.

## BMP 05 Coverage: Large Landscape Conservation Programs and Incentives

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement



Exemption request filed WITH supporting documentation

Exemption Type: Cost Effectiveness

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

No

An agency must meet three conditions to comply with BMP 5.

Condition 1: Develop water budgets for 90% of its dedicated landscape meter accounts within four years of the date implementation is to start.

Condition 2: (a) Offer landscape surveys to at least 20% of its CII accounts with mixed use meters each report cycle and be on track to survey at least 15% of its CII accounts with mixed use meters within 10 years of the date implementation is to start OR (b) Implement a dedicated landscape meter retrofit program for CII accounts with mixed use meters or assign landscape budgets to mixed use meters.

Condition 3: Implement and maintain customer incentive program(s) for irrigation equipment retrofits.

#### Test for Condition 1

Year	Report Period	BMP 5 Implementation Year	No. of Irrigation Meter Accounts	No. of Irrigation Accounts with Budgets	Budget Coverage Ratio	90% Coverage Met by Year 4
1999	99-00	-3				NA
2000	99-00	-2				NA
2001	01-02	-1				NA
2002	01-02					NA
2003	03-04	1				NA
2004	03-04	2				NA

#### Test for Condition 2a (survey offers)

Select Reporting Period:	03-04
Large Landscape Survey Offers as % of Mixed Use Meter CII Accounts	
Survey Offers Equal or Exceed 20% Coverage Requirement	NO

#### Test for Condition 2a (surveys completed)

Total Completed Landscape Surveys Reported through Credit for Surveys Completed Prior to Implementation of Reporting Database	
Total + Credit	
CII Accounts in Base Year	95
RU Survey Coverage as a % of Base Year CII Accounts	
Coverage Requirement by Year of Implementation per Exhibit 1	1.5%

RU on Schedule to Meet 10 Year Coverage Requirement

NO

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

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

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

**Test for Condition 3**

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

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

**BMP 5 COVERAGE STATUS SUMMARY:**

Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.

## BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement



Exemption request filed WITH supporting documentation

Exemption Type: Cost Effectiveness

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

No

An agency must meet one condition to comply with BMP 6.

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

#### Test for Condition 1

Year	Report Period	BMP 6 Implementation Year	Rebate Offered by ESP?	Rebate Offered by RU?	Rebate Amount
1999	99-00	-3			
2000	99-00	-2			
2001	01-02	-1			
2002	01-02				
2003	03-04	1			
2004	03-04	2			

Year	Report Period	BMP 6 Implementation Year	No. Rebates Awarded	Coverage Met?
1999	99-00	-3		
2000	99-00	-2		
2001	01-02	-1		
2002	01-02			
2003	03-04	1		
2004	03-04	2		

#### BMP 6 COVERAGE STATUS SUMMARY:

Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.

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### BMP 07 Coverage: Public Information Programs

Reporting Unit:  
North of the River MWD - Retail

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

#### BMP 7 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

**BMP 08 Coverage: School Education Programs**

Reporting Unit:  
**North of the River MWD - Retail**

Reporting Period:  
**03-04**

OK

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

**BMP 8 COVERAGE STATUS SUMMARY:**

**Water supplier is meeting coverage requirements for this BMP.**

## BMP 09 Coverage: Conservation Programs for CII Accounts

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

An agency must meet three conditions to comply with BMP 9.

Condition 1: Agency has identified and ranked by use commercial, industrial, and institutional accounts.

Condition 2(a): Agency is on track to survey 10% of commercial accounts, 10% of industrial accounts, and 10% of institutional accounts within 10 years of date implementation to commence.

OR

Condition 2(b): Agency is on track to reduce CII water use by an amount equal to 10% of baseline use within 10 years of date implementation to commence.

OR

Condition 2(c): Agency is on track to meet the combined target as described in Exhibit 1 BMP 9 documentation.

#### Test for Condition 1

Year	Report Period	BMP 9 Implementation Year	Ranked Com. Use	Ranked Ind. Use	Ranked Inst. Use
1999	99-00	-3			
2000	99-00	-2			
2001	01-02	-1			
2002	01-02				
2003	03-04	1	YES	YES	YES
2004	03-04	2	YES	YES	YES

#### Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2004	7	0	3
Credit for Surveys Completed Prior to Implementation of Reporting Databases			
Total + Credit	7		3
CII Accounts in Base Year	50	20	25
RU Survey Coverage as % of Base Year CII Accounts	14.0%		12.0%
Coverage Requirement by Year 2 of Implementation per Exhibit 1	1.0%	1.0%	1.0%
RU on Schedule to Meet 10 Year Coverage Requirement	YES	NO	YES

#### Test for Condition 2a

Performance

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

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**Test for Condition 2c**


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Total BMP 9 Surveys + Credit	10
BMP 9 Survey Coverage	10.5%
BMP 9 Performance Target Coverage	
BMP 9 Survey + Performance Target Coverage	10.5%
Combined Coverage Equals or Exceeds Coverage Requirement?	YES

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**BMP 9 COVERAGE STATUS SUMMARY:**

**Water supplier is meeting coverage requirements for this BMP.**

## BMP 11 Coverage: Conservation Pricing

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement



Exemption request filed WITH supporting documentation

Exemption Type: Cost  
Effectiveness

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

No

Warning: The BMP 11 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

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

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

### BMP 11 COVERAGE STATUS SUMMARY:

Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.

OK

### BMP 12 Coverage: Conservation Coordinator

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

### MOU Exhibit 1 Coverage Requirement

No exemption request filed

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

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

### Test for Compliance

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

### BMP 12 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

Reported as of 8/

### BMP 13 Coverage: Water Waste Prohibition

Reporting Unit:  
North of the River MWD - Retail

Reporting Period:  
03-04

#### MOU Exhibit 1 Coverage Requirement

Exemption request filed WITH supporting documentation

Exemption Type: Cost Effectiveness

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

No

Warning: The BMP 13 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 13.

Implementation methods shall be enacting and enforcing measures prohibiting gutter flooding, single pass cooling systems in new connections, non-recirculating systems in all new conveyer car wash and commercial laundry systems, and non-recycling decorative water fountains.

#### Test for Condition 1

##### Agency or service area prohibits:

Year	Gutter Flooding	Single-Pass Cooling Systems	Single-Pass Car Wash	Single-Pass Laundry	Single-Pass Fountains	Other	RU has ordinance that meets coverage requirement
1999							
2000							
2001							
2002							
2003							
2004							

#### BMP 13 COVERAGE STATUS SUMMARY:

Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.

## BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: North of the River MWD - Retail

### BMP 14 Coverage Calculation Detail: Retrofit on Resale (ROR) Ordinance Water Savings

	Single Family	Multi-Family
<b>1992 Housing Stock</b>		
Average rate of natural replacement (% of remaining stock)	.04	.04
Average rate of housing demolition (% of remaining stock)	.005	.005
Estimated Housing Units with 3.5+ gpf Toilets in 1997	895.05	412.83
Average resale rate	.06	.12
Average persons per unit		
Average toilets per unit		
Average savings per home (gpd; from Exhibit 6)	45.8	53

#### Single Family Housing Units

Coverage Year	Unretrofitted Houses	Houses Sold	Houses Unsold	Sold and Retrofitted	Sold and Already Retrofitted	Unsold and Retrofitted	Gross ROR Savings (AFY)	Nat'l Replacement Only Savings (AFY)	Net ROR Savings (AFY)
2002	808.13	53.43	837.14	53.43		33.49	24.72	22.09	2.63
2003	729.65	53.17	832.95	48.25	4.92	30.23	28.74	23.84	4.90
2004	658.79	52.90	828.79	43.56	9.34	27.30	32.38	25.53	6.85
2005	594.81	52.64	824.64	39.33	13.31	24.65	35.66	27.14	8.52
2006	537.05	52.37	820.52	35.51	16.86	22.25	38.62	28.70	9.93
2007	484.90	52.11	816.42	32.06	20.05	20.09	41.30	30.19	11.11
2008	437.81	51.85	812.33	28.95	22.90	18.14	43.71	31.62	12.09
2009	395.29	51.59	808.27	26.14	25.45	16.38	45.89	33.00	12.90
2010	356.90	51.33	804.23	23.60	27.74	14.79	47.86	34.32	13.55
2011	322.24	51.08	800.21	21.31	29.77	13.35	49.64	35.58	14.06

#### Multi Family Housing Units

Coverage Year	Unretrofitted Houses	Houses Sold	Houses Unsold	Sold and Retrofitted	Sold and Already Retrofitted	Unsold and Retrofitted	Gross ROR Savings (AFY)	Nat'l Replacement Only Savings (AFY)	Net ROR Savings (AFY)
2002	349.08	49.29	361.47	49.29		14.46	14.60	11.79	2.81
2003	295.17	49.05	359.67	41.68	7.37	12.23	17.80	12.73	5.07
2004	249.59	48.80	357.87	35.24	13.56	10.34	20.50	13.62	6.88
2005	211.05	48.56	356.08	29.80	18.76	8.74	22.79	14.49	8.30
2006	178.46	48.31	354.30	25.20	23.11	7.39	24.73	15.32	9.41
2007	150.90	48.07	352.53	21.31	26.76	6.25	26.36	16.11	10.25
2008	127.60	47.83	350.77	18.02	29.81	5.29	27.74	16.88	10.87
2009	107.89	47.59	349.01	15.24	32.36	4.47	28.91	17.61	11.30
2010	91.23	47.35	347.27	12.88	34.47	3.78	29.90	18.32	11.59

## BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: North of the River MWD - Retail

### MOU Exhibit 1 Coverage Requirement

A Reporting Unit (RU) must meet one of the following conditions to be in compliance with BMP 14.

Condition 1: Retrofit-on-resale (ROR) ordinance in effect in service area.

Condition 2: Water savings from toilet replacement programs equal to 90% of Exhibit 6 coverage requirement.

An agency with an exemption for BMP 14 is not required to meet one of the above conditions. This report treats an agency with missing base year data required to compute the Exhibit 6 coverage requirement as out of compliance with BMP 14.

**Status: Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP. as of 2004**

<u>Coverage Year</u>	<u>BMP 14 Data Submitted to CUWCC</u>	<u>Exemption Filed with CUWCC</u>	<u>ROR Ordinance in Effect</u>	<u>Exhibit 6 Coverage Req'mt (AF)</u>	<u>Toilet Replacement Program Water Savings* (AF)</u>
2002	NO	YES	NO	5.44	
2003	NO	YES	NO	15.41	
2004	NO	YES	NO	29.15	
2005	NO	NO	NO	45.96	
2006	NO	NO	NO	65.30	
2007	NO	NO	NO	86.66	
2008	NO	NO	NO	109.62	
2009	NO	NO	NO	133.82	
2010	NO	NO	NO	158.95	
2011	NO	NO	NO	184.76	

\*NOTE: Program water savings listed are net of the plumbing code. Savings are cumulative (not annual) between 1991 and the given year. Residential ULFT count data from unsubmitted forms are NOT included in the calculation.

#### **BMP 14 COVERAGE STATUS SUMMARY:**

**Water supplier has filed with CUWCC an exemption with supporting documentation for this BMP.**