

# Addendum #1



**Date:** 6/29/2011

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**Reviewed by:** Jeffery Szytel, P.E.

**Project:** Final Draft 2010 Urban Water Management Plan for the Northern Division- Sacramento District

**SUBJECT:** **SUPPLEMENT TO APPENDIX N. CUWCC BEST MANAGEMENT PRACTICE REPORT**

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The Final Draft of the 2010 Urban Water Management Plan's *Appendix N. CUWCC Best Management Practice Report* included Best Management Practices (BMP) forms that were submitted to the California Urban Water Conservation Council (CUWCC). On June 28, 2011, subsequent to the publication of the Final Draft, CUWCC provided a BMP coverage report to California American Water. This coverage report confirms that the Sacramento District is On Track in its BMP compliance. The coverage report is included as an attachment to this addendum. Please attach this addendum to the Final Draft, which is made available for public review at least two weeks prior to the public hearing for the 2010 Urban Water Management Plan.



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

Agency: **CALIFORNIA AMERICAN WATER**  
Retail

District Name: **SACRAMENTO**

CUWCC Unit #: **5023**

Primary Contact **REBECCA CASSIDY**

Telephone **619-435-7459**

Email: **rebecca.cassidy@amwater.com**

Compliance Option Chosen By Reporting Agency:  
(Traditional, Flex Track or GPCD)

GPCD if used:

GPCD in 2010	177
GPCD Target for 2018	171

Year	Report	Target	Highest Acceptable Bound		
			% Base	GPCD	% Base
2010	1	96.4%	201	100%	209
2012	2	92.8%	194	96%	201
2014	3	89.2%	186	93%	194
2016	4	85.6%	179	89%	186
2018	5	82.0%	171	82%	171

Not on Track if 2010 GPCD is  $\geq$  than target

GPCD in 2010 **177**  
Highest  
Acceptable GPCD **209**  
for 2010

**On Track**



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### Foundational BMPs

##### BMP 1.1 Operational Practices

1.Conservation Coordinator  
provided with necessary  
resources to implement BMPs?

Name  
Title  
Email

2009	2010
<b>PATRICK PILZ</b>	<b>PATRICK PILZ</b>
<b>MANAGER, CONSERVATION &amp; EFFICIEN</b>	<b>MANAGER, WATER CONSERVATION &amp; EFFICIENCIES</b>
<b>patrick.pilz@amwater.com</b>	<b>patrick.pilz@amw</b>

Conservation Coordinator provided with necessary resources to  
implement BMPs?

Agency: **CALIFORNIA AMERICAN WATER**

District Name: **SACRAMENTO**

CUWCC Unit #: **5023**

Retail  
resources to implement BMPs:

**On Track**

**On Track**

2. Water waste prevention documentation

Descriptive File CPUC Rule 14.1 - Voluntary

Descriptive File 2010

<http://www.amwater.com/caaw/Customer-Service/voluntary-water->

URL

URL 2010

CPUC Rule 14.1 - Voluntary Water Conservation.

<http://www.amwater.com/caaw/Customer-Service/voluntary-water-conservation>

On Track if any one of the 6 ordinance actions done, plus documentation or links provided

Describe Ordinance Terms

CPUC Rule 14.1 is a voluntary ordinance that establishes a

Describe Ordinance Terms 2010

CPUC Rule 14.1 is a voluntary ordinance that establishes a water conservation program that will reduce water consumption, enable

**On Track**

**On Track**



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### BMP 1.2 Water Loss Control

	2009	
Complete a prescreening Audit	Yes	<b>On Track</b>
Metered Sales	1,312	
Verifiable Other Uses	0	
Total Supply	1,451	
(Metered Sales + System uses)/ Total Supply >0.89	0.90	
If ratio is less than 0.9, complete a full scale Audit in 2009?	Yes	<b>On Track</b>
Verify Data with Records on File?	Yes	<b>On Track</b>
Operate a system Leak Detection Program?	Yes	<b>On Track</b>

On Track if Yes

On Track if  $\geq 0.89$ , Not on Track if No

On Track if Yes

On Track if Yes

On Track if Yes

	2010	
Compile Standard Water Audit using AWWA Software?	Yes	<b>On Track</b>
AWWA file provided to CUWCC?	AWWA Water Loss Audit 2010 - SC	<b>On Track</b>

On Track if Yes, Not on Track if No

On Track if Yes, Not on Track if No

Agency: **CALIFORNIA AMERICAN WATER**

District Name: **SACRAMENTO**

CUWCC Unit #: **5023**

**Retail**

AWWA Water Audit Validity Score?	77		Info only until 2012														
Completed Training in AWWA Audit Method?	yes																
Completed Training in Component Analysis Process?	Yes		Info only until 2012														
Complete Component Analysis?	Yes		Info only until 2012														
Repaired all leaks and breaks to the extent cost effective?	Yes	<b>On Track</b>	On Track if Yes, Not on Track if No														
Locate and repair unreported leaks to the extent cost effective.	Yes	<b>On Track</b>	On Track if Yes, Not on Track if No														
Maintain a record-keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.			Info only until 2012														
Provided 7 types of Water Loss Control Info																	
<table border="1"> <thead> <tr> <th>Leaks Repaired</th> <th>Value Real Losses</th> <th>Value Apparent Losses</th> <th>Miles Surveyed</th> <th>Press Reduction</th> <th>Cost of Interventions</th> <th>Water Saved</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>\$ -</td> <td>\$ -</td> <td>0</td> <td>Off</td> <td>\$ -</td> <td>0</td> </tr> </tbody> </table>	Leaks Repaired	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost of Interventions	Water Saved	0	\$ -	\$ -	0	Off	\$ -	0			Info only until 2012
Leaks Repaired	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost of Interventions	Water Saved											
0	\$ -	\$ -	0	Off	\$ -	0											



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### 1.3 METERING WITH COMMODITY RATES FOR ALL NEW CONNECTIONS AND RETROFIT OF EXISTING CONNECTIONS

Exemption or 'At least as Effective As' accepted by CUWCC

2009
Yes
Yes

**On Track until 2012**

2010
Yes
Yes

**On Track until 2012**

If signed MOU prior to 31 Dec 1997, On Track if all connections metered; If signed after 31 Dec 1997, complete meter installations by 1 July 2012 or within 6 yrs of signing and 20% biannual reduction of unmetered connections.

Numbered Unmetered Accounts

On Track if no unmetered accounts

Metered Accounts billed by volume of use

Volumetric billing required for all connections on same schedule as metering

Agency: CALIFORNIA AMERICAN WATER

District Name: SACRAMENTO

CUWCC Unit #: 5023

Retail

Number of CII accounts with Mixed Use meters 3,063

Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? No

Feasibility Study provided to CUWCC? No

Completed a written plan, policy or program to test, repair and replace meters Yes

On Track

3,195

No

No

Yes

On Track

Info only

Info only due 2011

Info only due 2011

On Track if Yes, Not on Track if No



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

Agency: **CALIFORNIA AMERICAN WATER** District Name: **SACRAMENTO** CUWCC Unit #: **5023**  
 Retail Coverage Report Date: **June 23, 2011**  
 Primary Contact: **REBECCA CASSIDY** Email: **rebecca.cassidy@amwater.com**

#### 1.4 Retail Conservation Pricing

##### Metered Water Rate Structure

Date 2009 data received: **June 1, 2011** Date 2010 data received: **June 1, 2011**  
 On Track if: Increasing Block, Uniform, Allocation, Standby Service; Not on Track if otherwise

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Uniform	Yes	Single-Family	Uniform	Yes
Single-Family	Non-Volumetric Flat R	No	Single-Family	Non-Volumetric Flat Rate	No
Commercial	Uniform	Yes	Commercial	Uniform	Yes
Commercial	Non-Volumetric Flat R	No	Commercial	Non-Volumetric Flat Rate	No
Other	Uniform	Yes	Other	Uniform	Yes

**On Track** **On Track**

Year Volumetric Rates began for Agencies with some Unmetered Accounts

Info only  
 Agencies with Partially Metered Service Areas: If signed MOU prior to 31 Dec. 1997, implementation starts no later than 1 July 2010. If signed MOU after 31 Dec. 1997, implementation starts no later than 1 July 2013, or within seven years of signing the MOU.



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### Adequacy of Volumetric Rates) for Agencies with No Unmetered Accounts

Customer Class	2009 Rate Type	2009 Volumetric Revenues \$1000s	2010 Rate Type	2010 Volumetric Revenues \$1000s
Single-Family	Uniform	\$ 6,414	Single-Family	\$ 10,711
Single-Family	Non-Volumetric Flat R	\$ -	Single-Family	\$ -
Commercial	Uniform	\$ 5,620	Commercial	\$ 7,017
Commercial	Non-Volumetric Flat R	\$ -	Commercial	\$ -
Other	Uniform	\$ 1,343	Other	\$ 1,827
		\$ -		\$ -
		\$ -		\$ -
Total Revenue Commodity Charges (V):		\$ 13,377	\$ 19,556	
Total Revenue Fixed Charges (M):		\$ 4,952	\$ 2,485	
Calculate: V / (V + M):		73%	89%	

**On Track** **On Track**

Agency Choices for rates:

A) Agencies signing MOU prior to 13 June 2007, implementation starts 1 July 2007: On Track if  $(V / (V + M)) \geq 70\% \times .8 = 56\%$  for 2009 and  $70\% \times 0.90 = 63\%$  for 2010; Not on track if  $(V / (V + M)) < 70\%$ ;

B) Use Canadian model. Agencies signing MOU after 13 June 2007, implementation starts July 1 of year following signing.

Canadian Water & Wastewater Rate Design Model Used and Provided to CUWCC **No**  
 If Canadian Model is used, was 1 year or 3 year period applied? **No**

#### Wastewater Rates

Does Agency Provide Sewer Service? **2009 No** If 'No', then wastewater rate info not required. **2010 No**

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
		Yes			Yes
		Yes			Yes
		Yes			Yes
		Yes			Yes
		Yes			Yes
		Yes			Yes
		Yes			Yes
		Yes			Yes

**On Track** **On Track**

On Track if: 'Increasing Block', 'Uniform', 'based on long term marginal cost' or 'next unit of capacity'



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### BMP 2. EDUCATION PROGRAMS

##### BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

Does a wholesale agency implement Public Outreach Programs for this utility's benefit?  
Names of Wholesale Agencies

- 1) Contacts with the public (minimum = 4 times per year)
- 2) Water supplier contacts with media (minimum = 4 times per year, i.e., at least quarterly).
- 3) An actively maintained website that is updated regularly (minimum = 4 times per year, i.e., at least quarterly).
- 4) Description of materials used to meet minimum requirement.

5) Annual budget for public outreach program.

6) Description of all other outreach programs

	2009 Yes	2010 Yes	
	<b>Regional Water Authority-Regional Water</b>		<b>REGIONAL WATER AUTHORITY-WATER</b>
	15	19	
	31	41	
	Yes	Yes	
	General water conservation information Website Newsletter articles on conservation General water conservation information Articles or stories resulting from outreach Newspaper contacts News releases Written editorials	Newsletter articles on conservation Newsletter articles on conservation Website Select a public contact News releases Television contacts Newspaper contacts Articles or stories resulting from outreach	
	\$ 98,189	\$ 141,314	
	Description is too large for text area. Data will be stored in the BMP Reporting database when online.	Description is too large for text area. Data will be stored in the BMP Reporting database when online.	
	<b>On Track</b>	<b>On Track</b>	

Yes/No

All 6 action types implemented and reported to CUWCC to be 'On Track'



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### 2.2 School Education Programs Implemented and Reported to CUWCC

	2009	2010	
Does a wholesale agency implement School Education Programs for this utility's benefit? Name of Wholesale Supplier?	Yes Regional Water Authority's Regional Water Efficiency Program.	Yes Regional Water Authority	
1) Curriculum materials developed and/or provided by agency	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities</li> <li>• California Waterways map</li> <li>• Student contests for K-4th grades and 5th-8th grades</li> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul>	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities</li> <li>• California Waterways map</li> <li>• Student contests for K-4th grades and 5th-8th grades</li> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul>	Yes/ No
2) Materials meet state education framework requirements and are grade-level appropriate?	Yes	Yes	All 5 actions types implemented and reported to CUWCC to be
3) Materials Distributed to K-6? Describe K-6 Materials	Yes MIE Program-• Student supplements, written by an award-winning environmental educator and edited by water agency personnel. • Teaching materials, online Be Water Smart teacher guides and activities • California Waterways map • K-4 will receive a class set of "Water Conservation and You booklets" • Student contests for K-4th grades and 5th-8th grades • Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program	Yes • Student supplements, written by an award-winning environmental educator and edited by water agency personnel. • Teaching materials, online Be Water Smart teacher guides and activities • California Waterways map • K-4 will receive a class set of "Water Conservation and You booklets" • Student contests for K-4th grades and 5th-8th grades • Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program	Describe materials to meet minimum requirements
Materials distributed to 7-12 students?	No	No	Info Only
4) Annual budget for school education program.	\$ 71,500	\$ 109,565	
5) Description of all other water supplier education programs	Be Water Smart, presented by the Regional Water Authority and The Sacramento Bee's Newspapers in Education (NIE) program, teaches kids to practice water efficiency in every-day activities. Students learn where water comes from and ecology through math, science and the arts, fun puzzles, investigative work and activities.	Description is too large for text area. Data will be stored in the BMP Reporting database when online.	
	See Wholesale Report	See Wholesale Report	
	0	0	

