

**Appendix K**  
**2009-2010 Activity Report Forms for Demand**  
**Management Measures**

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# 2009 Activity Report Forms for Demand Management Measures

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City of Santa Maria

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# Annual Reports

Enter Annual Reports    Agency Info    My Account  
Base Year Data

**Reporting Year**

< 2009 >

**Water Sources and Usage**

Sources  
Uses

**BMP 1**

Operations Practices  
Water Loss Control  
Metering with Commodity  
Retail Conservation Pricing

**BMP 2**

Public Outreach  
Public Outreach Cont'd  
School Education

**BMP 3 - Residential**

Traditional  
Flex Track

**BMP 4 - CII**

Traditional  
Flex Track

**BMP 5 - Landscape**

Traditional  
Flex Track

**GPCD**

GPCD

## Water Sources

Service Area Population: 92,242

Save

**Potable**

**Own Sources** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
Wells	6,610	Groundwater	<a href="#">Edit</a> <a href="#">Delete</a>
Total: 6,610.00			

**Imported Water** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
State Water	7,637.00	Surface	<a href="#">Edit</a> <a href="#">Delete</a>
Total: 7,637.00			

**Exported Water** New

Supply Source Name	Quantity Exported (AF/Year)	Where Exported	Actions
No data to display			
Total: 0.00			
Net Potable Into the System: AF/Year			

**Non Potable**

**Own Sources** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
Well	2.00	Groundwater	<a href="#">Edit</a> <a href="#">Delete</a>
Total: 2.00			

**Imported Water** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
No data to display			
Total : 0.00			

**Exported Water** New

Supply Source Name	Quantity Exported (AF/Year)	Where Exported	Actions
No data to display			
Total : 0.00			
Net NonPotable Into the System: AF/Year			

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# Annual Reports

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**Reporting Year**  
 < 2009 >

**Water Sources and Usage**  
 Sources  
 Uses

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 Retail Conservation Pricing

**BMP 2**  
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 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

## Water Uses

### Potable

Billed						New	
Property Type	Metered # Accounts	Metered Water Delivered (AF/Year)	Un-Metered # Account	Un-Metered Water Delivered In AF	Actions		
Single-Family	18,621	6,949.00	0	0.00	Edit	Delete	
Multi-Family	784	2,283.00	0	0.00	Edit	Delete	
Commercial	1,340	1,936.00	0	0.00	Edit	Delete	
Industrial	98	334.00	0	0.00	Edit	Delete	
Institutional	557	805.00	0	0.00	Edit	Delete	
Dedicated Irrigation	181	1,036.00	0	0.00	Edit	Delete	
System Flushing	6	10.00	0	0.00	Edit	Delete	
Fire Lines	1	7.00	0	0.00	Edit	Delete	
Other	3	145.00	0	0.00	Edit	Delete	
Total : 13,505.00				Total : 0.00			

Un-Billed						New	
Property Type	Metered # Account	Metered Water Deliveries (AF/Year)	Un-Metered # Account	Un-Metered Water Deliveries AF/Year	Actions		
Single-Family					Edit	Delete	
Multi-Family					Edit	Delete	
Commercial					Edit	Delete	
Industrial					Edit	Delete	
Institutional					Edit	Delete	
Dedicated Irrigation					Edit	Delete	
System Flushing					Edit	Delete	
Fire Lines					Edit	Delete	
Other					Edit	Delete	
Total : 0.00				Total : 0.00			

Net Potable Into the System: 13,505.00 AF/Year

### Non Potable

Billed						New	
Property Type	Metered # Accounts	Metered Water Delivered (AF/Year)	Un-Metered # Accounts	Un-Metered Water Delivered (AF/Year)	Actions		

Agricultural	1	2.00	0	0.00	<a href="#">Edit</a>	<a href="#">Delete</a>
Total : 2.00			Total : 0.00			

Un-Billed					<a href="#">New</a>
Property Type	Metered # Accounts	Metered Water Deliveries (AF/Year)	Un-Metered # Accounts	Un-Metered Water Deliveries (AF/Year)	Actions
Agricultural					<a href="#">Edit</a> <a href="#">Delete</a>
Total : 0.00			Total : 0.00		

Net NonPotable Into the System: 2.00 AF/Year

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City of Santa Maria

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# Annual Reports

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### Reporting Year

< 2009 >

### Water Sources and Usage

Sources  
Uses

### BMP 1

Operations Practices  
Water Loss Control  
Metering with Commodity  
Retail Conservation Pricing

### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

### BMP 3 - Residential

Traditional  
Flex Track

### BMP 4 - CII

Traditional  
Flex Track

### BMP 5 - Landscape

Traditional  
Flex Track

### GPCD

GPCD

## BMP 1.1 Operations Practices

[View MOU](#)

Save

### Conservation Coordinator

Conservation Coordinator  Yes  No

### Contact Information

First Name	Myra	Street Address 1	2065 E. Main Street
Last Name	Ritchie	Street Address 2	
Title	Water Conservation Specialist	City	Santa Maria
Phone	805-925-0951 Ext. 7235	State	CA
Mobile Phone	805-310-6483	Postal Code	93454
Email	mritchie@ci.santa-maria.ca.us		

### Water Waste Prevention

An agency MUST do at least one of the following five strategies; although water agencies are encouraged to do them all when possible.

**Option A** (Describe, upload or provide an electronic link to, the ordinance or terms of service adopted by your agency to meet the water waste prevention requirements of this BMP.)

Upload File

\_\_\_\_\_ Browse...

Upload Clear

Uploaded filename: [Water Waste Prohibition - City Ordinance.pdf](#)

URL \_\_\_\_\_

Describe Ordinance or Terms

The city ordinances 8-10-32 and 8-10-33 states that all customers are required to maintain in good repair all of their pipes, faucets, valves, plumbing fixtures or any other water-use appliances, at all times to prevent the waste of water. The City has the right to shut off the water by the water division and will not be turned on again

**Option B** (Describe, upload, or provide an electronic link to, any water waste prevention ordinances or requirements adopted by your local jurisdiction(s) or regulatory agencies within your service area.)

Upload File

\_\_\_\_\_ Browse...

Upload Clear

Uploaded filename: [Copy of Water Waste Prohibition - City Ordinance.pdf](#)

URL \_\_\_\_\_

Describe Ordinances or Requirements

Section 8-10.33 states that the water may be shut off and sealed by the Utilities Department until a turn on fee is paid if the customer is found to willfully and negligently wastes water through the misuse of sprinkler. 9-4.08 states that all commercial car wash facilities, including self wash, shall have a water recycling system and the

**Option C** (Describe, upload or provide an electronic link to, any documentation of Support provided for legislation or regulations that prohibit water waste.)



Upload File

Uploaded filename: [Water Waste Prohibition - City Ordinance.pdf](#)

URL

Describe the support provided for legislation or regulations that prohibit water waste.

**Option D** (Describe your agency's efforts to cooperate with other entities in the adoption or enforcement of local requirements consistent with this BMP.)

Describe Efforts

**Option E** (Describe your agency's support positions with respect to adoption of legislation or regulations that are consistent with this BMP. )

Describe Legislation

**Enforcement Reporting**

Select from the list your agency's water waste prevention program and rank the importance of each program (where 1 = most important)

Water Waste Prevention Type	Importance Ranking	Description	Actions
Aggressive enforcement including fines/ charges for violators of water waste prohibitions	1		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

**Select the BMP for which support is provided**

This section needs to be completed by the wholesale water agencies

**Financial Investments & Building Partnerships**

Enter the types of BMP Number Provided. Click the New button to add a new line, then click Update when finished.

BMP Name	Expense	Equivalent Resources Provided	Actions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Update"/> <input type="button" value="Cancel"/>

**Technical Support**

Enter the types of Technical Support Provided. Click the New button to add a new line, then click Update when finished.

Technical Support Type	Technical Support Expenses	Description	Actions
<input type="text"/>	<input type="text"/>	<input type="text"/>	

No data to display

**Program Management**

Enter the types of BMP Name Provided. Click the New button to add a new line, then click Update when finished.

BMP Name	Program Description	Organization Name	Actions
BMP 1 Foundational Operations		California Urban Water Agencies	<input type="button" value="New"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

**Water Shortage Allocation**

Agency Has A Water Shortage Allocation Plan or Policy  Yes  No

Upload File

Uploaded filename: DraftSection\_WaterShortageContingencyPlanning.docx

Date of Adoption

**Encourage CUWCC Membership**

List Efforts to Recruit Retail Agencies

Empty text area for listing efforts to recruit retail agencies.

Amount of Dues Paid on Behalf of Retail Agencies \$3331.88

*2009 Membership Dues*

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The city ordinances 8-10-32 and 8-10-33 states that all customers are required to maintain in good repair all of their pipes, faucets, valves, plumbing fixtures or any other water-use appliances, at all times to prevent the waste of water. The City has the right to shut off the water by the water division and will not be turned on again until repairs are made to the satisfaction of the water division. The water can be shut off and locked by the water division if the customer willfully and negligently wastes water through the sprinklers or any other facility. In both cases the water will not be turned back on until a turn-on fee is paid.

Section 8-10.33 states that the water may be shut off and sealed by the Utilities Department until a turn on fee is paid if the customer is found to willfully and negligently wastes water through the misuse of sprinkler. 9-4.08 states that all commercial car wash facilities, including self wash, shall have a water recycling system and the design installations of these systems shall be approved by the administrative authority.

City of Santa Maria

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# Annual Reports

Enter Annual Reports Agency Info My Account

### Reporting Year

<| 2009 |>

### Water Sources and Usage

Sources  
Uses

#### BMP 1

Operational Practices  
**Water Loss Control**  
Metering with Commodity  
Retail Conservation Pricing

#### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

#### BMP 3 - Residential

Traditional  
Flex Track

#### BMP 4 - CII

Traditional  
Flex Track

#### BMP 5 - Landscape

Traditional  
Flex Track

#### GPCD

GPCD

## BMP 1.2 Water Loss Control

[View MOU](#)

Save

### AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software  Yes  No  
Upload Worksheets (AWWA Water Audit)

Agency Test Source, Import & Production Meters this Reporting Year  Yes  No

Water Audit Validity Score **72%**

Agency Completed Training In The AWWA Water Audit Method  Yes  No

Agency Completed Training In The Component Analysis Process  Yes  No

Completed/Updated the Component Analysis (at least every 4 years)?  Yes  No

Component Analysis Completed/Updated Date **4/8/11**

### Water Loss Performance

Agency Demonstrated Progress in Water Loss Control Performance  Yes  No

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective  Yes  No

**Agency Established & Maintained a Record Keeping System For The Repair of Reported Leaks for The Following**

Date/Time Leak Reported <input checked="" type="radio"/> Yes <input type="radio"/> No	Leak Location <input checked="" type="radio"/> Yes <input type="radio"/> No
Type of Leaking Pipe Segment or Fitting <input checked="" type="radio"/> Yes <input type="radio"/> No	Leak Running Time From Report to Repair <input checked="" type="radio"/> Yes <input type="radio"/> No
Leak Volume Estimate : <input checked="" type="radio"/> Yes <input type="radio"/> No	Cost of Repair: <input checked="" type="radio"/> Yes <input type="radio"/> No

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective  Yes  No

Type of Program Activities Used to Detect Unreported Leaks

### Annual Summary Information

Complete the following table with annual summary information (required for reporting years 2-5 only)

New

Total Leaks Repaired	Economic Value Of RealLoss	Economic Value Of AppLoss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)	Actions
							Update Cancel

### AWWA Model

Please download the current [AWWA Water Audit Excel file here](#)

Information may be obtained from the AWWA Water Audit Spreadsheet

Revision: 2315

# AWWA Water Loss Control Committee (WLCC) Free Water Audit Software v4.1

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WAS v4.1

**PURPOSE:** This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format, and is not meant to take the place of a full-scale, comprehensive water audit format.

**USE:** The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons on the left below. Descriptions of each sheet are also given below.

THE FOLLOWING KEY APPLIES THROUGHOUT:

- Value can be entered by user
- Value calculated based on input data
- These cells contain recommended default values

Please begin by providing the following information, then proceed through each sheet in the workbook:

NAME OF CITY OR UTILITY:  COUNTRY:

REPORTING YEAR:  START DATE (MM/YYYY):  END DATE (MM/YYYY):

NAME OF CONTACT PERSON:  E-MAIL:  TELEPHONE:   
 Ext.

PLEASE SELECT PREFERRED REPORTING UNITS FOR WATER VOLUME:

Click to advance to sheet...

Click here:  for help about units and conversions

<b>Instructions</b>	The current sheet
<b>Reporting Worksheet</b>	Enter the required data on this worksheet to calculate the water balance
<b>Water Balance</b>	The values entered in the Reporting Worksheet are used to populate the water balance
<b>Grading Matrix</b>	Depending on the confidence of audit inputs, a grading is assigned to the audit score
<b>Service Connections</b>	Diagrams depicting possible customer service connection configurations
<b>Definitions</b>	Use this sheet to understand terms used in the audit process
<b>Loss Control Planning</b>	Use this sheet to interpret the results of the audit validity score and performance indicators

**Comments:**

Add comments here to track additional supporting information, sources or names of participants

If you have questions or comments regarding the software please contact us at: [wlc@awwa.org](mailto:wlc@awwa.org)

Copy of document found at www.NoNewWpTax.com

[Click to access definition](#)

Water Audit Report for: **City of Santa Maria**  
 Reporting Year: **2009** | **1/2009 - 12/2009**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

**WATER SUPPLIED**

<< Enter grading in column 'E'

Volume from own sources:	5	6,610.000	acre-ft/yr
Master meter error adjustment (enter positive value):	5	2.000	over-registered acre-ft/yr
Water imported:	9	7,637.000	acre-ft/yr
Water exported:	7	85.000	acre-ft/yr
<b>WATER SUPPLIED:</b>		<b>14,160.000</b>	<b>acre-ft/yr</b>

**AUTHORIZED CONSUMPTION**

Billed metered:	9	13,420.000	acre-ft/yr
Billed unmetered:	10	0.000	acre-ft/yr
Unbilled metered:	10	0.000	acre-ft/yr
Unbilled unmetered:	5	177.000	acre-ft/yr
<b>AUTHORIZED CONSUMPTION:</b>		<b>13,597.000</b>	<b>acre-ft/yr</b>

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

Click here: [for help using option buttons below](#)

Pcnt:  1.25%  Value:

Use buttons to select percentage of water supplied OR value

**WATER LOSSES (Water Supplied - Authorized Consumption)**

563.000 acre-ft/yr

**Apparent Losses**

Unauthorized consumption:	5	35.400	acre-ft/yr
Customer metering inaccuracies:	7	0.000	acre-ft/yr
Systematic data handling errors:	6	249.000	acre-ft/yr
<b>Apparent Losses:</b>		<b>284.400</b>	

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Pcnt:  0.25%  Value:

Choose this option to enter a percentage of billed metered consumption. This is NOT a default value

**Real Losses (Current Annual Real Losses or CARL)**

Real Losses = Water Losses - Apparent Losses:	5	278.600	acre-ft/yr
<b>WATER LOSSES:</b>		<b>563.000</b>	<b>acre-ft/yr</b>

**NON-REVENUE WATER**

NON-REVENUE WATER: 740.000 acre-ft/yr

= Total Water Loss + Unbilled Metered + Unbilled Unmetered

**SYSTEM DATA**

Length of mains:	9	350.0	miles
Number of active AND inactive service connections:	6	21,300	
Connection density:	5	61	conn./mile main
Average length of customer service line:	5	15.0	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	9	70.0	psi

**COST DATA**

Total annual cost of operating water system:	9	\$5,807,365	\$/Year
Customer retail unit cost (applied to Apparent Losses):	6	\$3.85	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	7	\$216.00	\$/acre-ft/yr

**PERFORMANCE INDICATORS**

**Financial Indicators**

Non-revenue water as percent by volume of Water Supplied:	5.2%
Non-revenue water as percent by cost of operating system:	9.9%
Annual cost of Apparent Losses:	\$476,956
Annual cost of Real Losses:	\$60,178

**Operational Efficiency Indicators**

Apparent Losses per service connection per day:	11.92	gallons/connection/day
Real Losses per service connection per day*:	11.68	gallons/connection/day
Real Losses per length of main per day*:	N/A	
Real Losses per service connection per day per psi pressure:	0.17	gallons/connection/day/psi
Unavoidable Annual Real Losses (UARL):	141.61	million gallons/year
From Above, Real Losses = Current Annual Real Losses (CARL):	278.60	million gallons/year
Infrastructure Leakage Index (ILI) [CARL/UARL]:	0.64	

\* only the most applicable of these two indicators will be calculated

**WATER AUDIT DATA VALIDITY SCORE:**

**\*\*\* YOUR SCORE IS: 72 out of 100 \*\*\***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

**PRIORITY AREAS FOR ATTENTION:**

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Master meter error adjustment
- 3: Water exported

[For more information, click here to see the Grading Matrix worksheet](#)

AWWA WLCC Free Water Audit Software: Water Balance				Water Audit Report For:		Report Yr:				
Copyright © 2010, American Water Works Association. All Rights Reserved.				WAS v4.1		City of Santa Maria				
						2009				
Own Sources (Adjusted for known errors)  6,608.000	Water Exported	Authorized Consumption  13,597.000	Billed Authorized Consumption	Billed Water Exported		Revenue Water  13,420.000	Non-Revenue Water (NRW)  740.000			
	85.000			Billed Metered Consumption (inc. water exported)	13,420.000					
	Water Supplied  14,160.000		Water Losses	563.000	Unbilled Authorized Consumption			Billed Unmetered Consumption	0.000	
								13,420.000	Unbilled Metered Consumption	0.000
			Apparent Losses	284.400	Unauthorized Consumption			Unbilled Unmetered Consumption	177.000	
								35.400	Customer Metering Inaccuracies	0.000
								249.000	Systematic Data Handling Errors	249.000
			Real Losses	278.600	Leakage on Transmission and/or Distribution Mains			Leakage on Transmission and/or Distribution Mains	Not broken down	
								Leakage and Overflows at Utility's Storage Tanks	Not broken down	
								Leakage on Service Connections	Not broken down	
Water Imported										
7,637.000										

City of Santa Maria

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# Annual Reports

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**Reporting Year**

< 2009 >

**Water Sources and Usage**

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School Education

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Traditional  
Flex Track

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Traditional  
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**BMP 5 - Landscape**

Traditional  
Flex Track

**GPCD**

GPCD

**BMP 1.3 Metering with Commodity Rates**

[View MOU](#)

Save

**Implementation**

Does your agency have any unmetered service connections?  Yes  No

If YES, has your agency completed a meter retrofit plan?  Yes  No

If YES, number of previously unmetered accounts fitted with meters during reporting year: \_\_\_\_\_

Are all new service connections being metered?  Yes  No

Are all new service connections being billed volumetrically?  Yes  No

Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters?  Yes  No

**Please Fill Out The Following Matrix**

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
Single Family	18,621	18,621	18,621	Monthly	12
Multi-Family	784	784	784	Monthly	12
Commercial	948	948	948	Monthly	12
Industrial	98	98	98	Monthly	12
Institutional	948	948	948	Monthly	12
Landscape Irrigation	181	181	181	Monthly	12

**Feasibility Study**

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?  Yes  No

**If YES, please fill in the following information:**

A. When was the Feasibility Study conducted \_\_\_\_\_

B. Describe, upload or provide an electronic link to the Feasibility Study Upload File

N/A

URL \_\_\_\_\_  
Describe \_\_\_\_\_

Number of CII Accounts with Mixed-used Meters   
Number of CII Accounts with Mixed-used Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

**At Least As Effective As**

Is your agency implementing an "at least as effective as" variant of this BMP?  Yes  No

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."

**Comments**

Comments On Metering with Commodity Rates

All of the city's connections are being metered. There are no un-metered connections retrofitted during the reporting year.

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# Annual Reports

Enter Annual Reports Agency Info My Account

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Water Sources and Usage  
 Sources  
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**BMP 5 - Landscape**  
 Traditional  
 Flex Track

GPCD  
 GPCD

## BMP 1.4 Retail Conservation Pricing

[View MOU](#)

Save

### Implementation (Water Rate Structure)

Enter the Water Rate Structures that are assigned to the majority of your customers, by customer class

New

Rate Structure Option	Customer Class Name	Total Revenue Commodity Charges	Total Revenue Customer Meter/Service (Fixed) Charges	Actions
				Edit Delete
Increasing Block	Single Family	13,688,713.28		Edit Delete
Increasing Block	Multi Family	3,380,613.65		Edit Delete
Increasing Block	Commercial	4,547,365.53		Edit Delete
Increasing Block	Industrial	601,554.60		Edit Delete
Increasing Block	Institutional			Edit Delete
Increasing Block	Dedicated Irrigation	1,902,289.72		Edit Delete
Service Not Provided	Rejected/Reclaimed			Edit Delete
Service Not Provided	Raw			Edit Delete
Service Not Provided	Other			Edit Delete
		\$0	\$0	

### Implementation Option (Conservation Pricing Option)

Please Select an Option

- Use Annual Revenue As Reported
- Use Canadian Water & Wastewater Association Rate Design Model

#### Annual Revenue as Reported

Total annual revenue from volumetric rates V = 0  
 Total annual revenue from customer meter/service (fixed) charges M = 0

### Retail Waste Water (Sewer) Rate Structure by Customer Class

No

Agency Provide Sewer Service  Yes  No

Select the Retail Waste Water(Sewer) Rate Structure assigned to the majority of your customers within a specific customer class.

New

Rate Structure Option	Customer Class Name	Total Revenue Commodity Charges	Total Revenue Customer Meter/Service (Fixed) Charges	Actions
Non-Volumetric Flat Rate	Single Family	2,661,674.55		Edit Delete
Non-Volumetric Flat Rate	Multi Family	783,822.23		Edit Delete
Non-Volumetric	Commercial	1,183,201.78		Edit Delete

Hotel

146,193.47

Mobile

487,003.90

Motel

296,937.08

Hotel  
52,527.90

Mobile  
145,991.35

Motel  
123,403.85

Flat Rate		0	Edit	Delete
Non-Volumetric Flat Rate	institutional	0	Edit	Delete
Uniform	Industrial - 181,677.35	0	Edit	Delete
Service Not Provided	Recycled/Reclaimed	0	Edit	Delete
		\$0		\$0

**At Least As Effective As**

**If Agency Implemented an AT LEAST AS EFFECTIVE AS variant then Please Give Explanation**

Agency is Implementing an AT LEAST AS EFFECTIVE AS variant of this BMP  Yes  No

Explanation of AT LEAST AS EFFECTIVE AS

[Empty text box for explanation]

**Exemption Request**

**If Agency has Requested an Exemption then please Select a Exemption Type**

Agency has Requested an Exemption from Implementing this BMP  Yes  No

Exemption Type

Comments on Conservation Pricing BMP

Seven of our industrial sewer users are billed on volumetric use effected by monthly BODs and TSS readings taken from monthly samplings. The strength of their BOD and TSS readings effectshow much their monthly sewer bill is.

[Download Canadian Rate Manual, and Instructions](#)

[Instructions](#)  
[Canadian Rate Manual](#)

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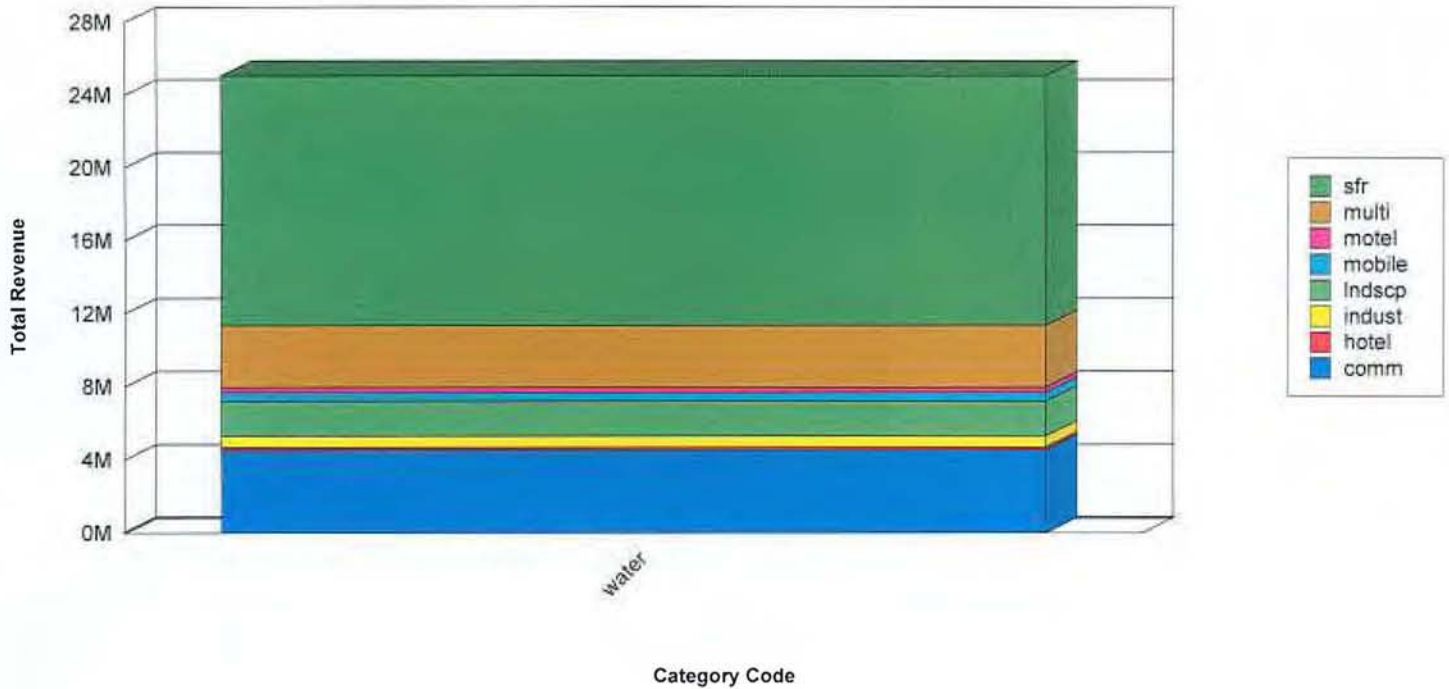
### Revenue by Category code and Account type

City of Santa Maria

07/01/2009 through 06/30/2010

Account Type

Category Code	Account Type			
	comm	hotel	indust	Indscp
water	4,547,365.53	146,193.47	601,554.60	1,902,289.72
Total	4,547,365.53	146,193.47	601,554.60	1,902,289.72



mobile	motel	multi	sfr	Total
487,003.90	296,937.08	3,380,613.65	13,688,713.28	25,050,671.23
487,003.90	296,937.08	3,380,613.65	13,688,713.28	25,050,671.23

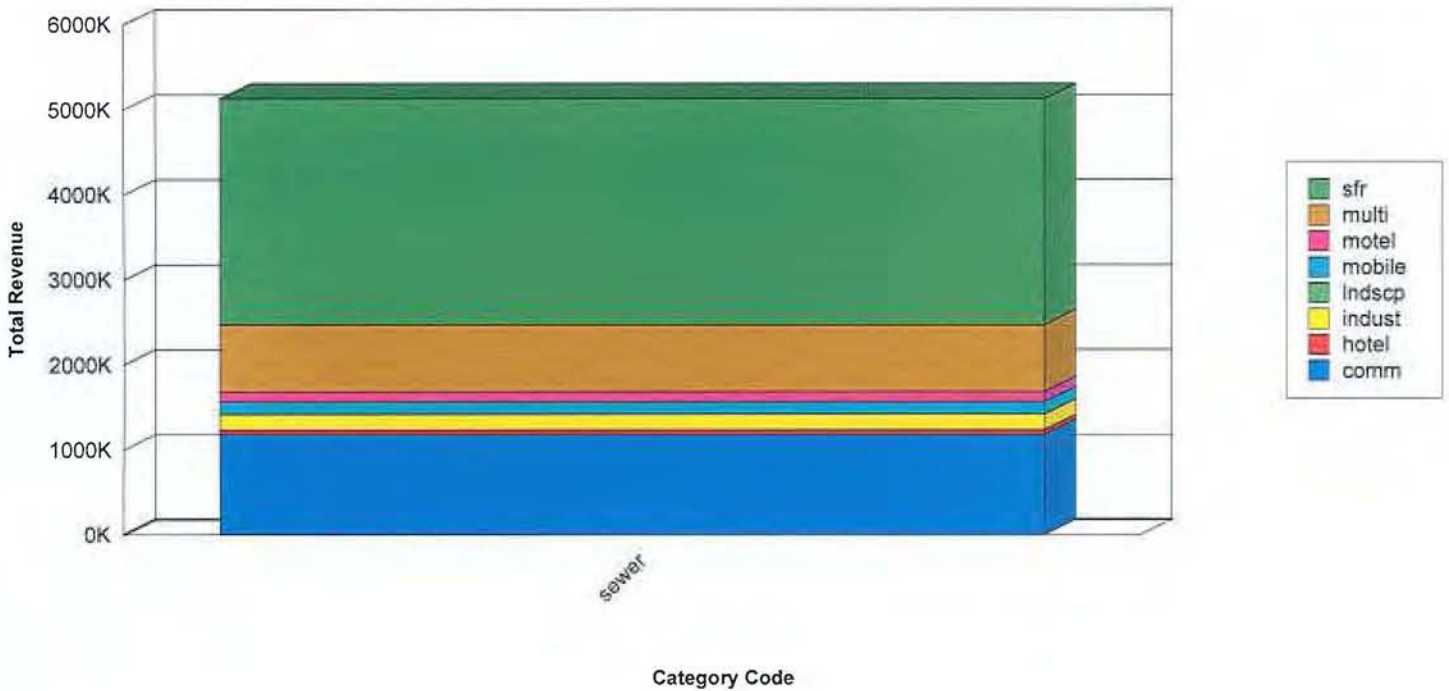
### Revenue by Category code and Account type

City of Santa Maria

07/01/2009 through 06/30/2010

Account Type

Category Code	Account Type			
	comm	hotel	indust	Indscp
sewer	1,183,201.78	52,527.90	181,677.35	1,537.07
Total	1,183,201.78	52,527.90	181,677.35	1,537.07



mobile	motel	multi	sfr	Total
145,991.35	123,403.85	783,822.23	2,661,674.55	5,133,836.08
145,991.35	123,403.85	783,822.23	2,661,674.55	5,133,836.08

City of Santa Maria

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# Annual Reports

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**Reporting Year**  
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**Water Sources and Usage**  
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 Retail Conservation Pricing

**BMP 2**  
**Public Outreach**  
 Public Outreach Cont'd  
 School Education

**BMP 3 - Residential**  
 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

**BMP 2.1 Public Outreach** [View MOU](#)

16 6 0 [Save](#)

**Is a Wholesale Agency Performing Public Outreach?**  
 Are there one or more wholesale agencies performing public outreach which can be counted to help your agency comply with the BMP?  Yes  No

**Is the Retail Agency Performing Public Outreach?**  
 Report a minimum of 4 water conservation related contacts your agency had with the public during the year.

**Public Information Programs List** [New](#)

Number of Public Contacts	Did at least one contact take place during each quarter of the reporting year?	Public Information Programs	Actions
16		General water conservation information	<a href="#">Edit</a> <a href="#">Delete</a>
16			

**Contact with the Media**  
 Are there one or more wholesale agencies performing media outreach which can be counted to help your agency comply with the BMP?  Yes  No

**OR Retail Agency (Contacts with the Media)**

**Media Contacts List** [New](#)

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types	Actions
6		News releases	<a href="#">Edit</a> <a href="#">Delete</a>
6			

**Is a Wholesale Agency Performing Website Updates?**  
 Did one or more CUWCC wholesale agencies agree to assume your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP?  Yes  No  
 Select the wholesale agency name(s)

Enter the name(s) of the wholesale agency if not on the list (comma delimited)

**Is Your Agency Performing Website Updates?**  
 Enter your agency's URL (website address):   
 Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Did at least one Website Update take place during each quarter of the reporting year?  Yes  No

**Public Outreach Annual Budget**  
 Enter budget for public outreach programs. You may enter total budget in a single line or break the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

1.) Press Release: Water Awareness Month

2.) Press Release Water Conservation website

3.) Press Release Fix A-Leak Week


4.) Press Release Water Conservation Survey



Category	Amount	Transaction Type	Personnel Costs Included?	Comments	Actions
			<input type="checkbox"/>		Update   Ce

New

Save



- Water Conservation Budget  
 Ads & Publications - \$ 25,834.<sup>00</sup>

- Water Conservation Budget  
 Promotion & Publicity - \$ 6,503.<sup>00</sup>

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# Annual Reports

Enter Annual Reports   Agency Info   My Account

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**Water Sources and Usage**  
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**BMP 2**  
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**Public Outreach Cont'd**  
 School Education

**BMP 3 - Residential**  
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 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

## BMP 2.1 Public Outreach Cont'd

[View MOU](#)

[Save](#)

9538.42 true

### Public Outreach Expenses

Enter expenses for public outreach programs. Please include the same kind of expenses you included in the question related to your budget (Section 2.1.7, above). For example, if you included personnel costs in the budget entered above, be sure to include them here as well.

[New](#)

Expense Category	Expense Amount	Personnel Costs Included?	Actions
Water Conservation Kits	5,142		<a href="#">Edit</a> <a href="#">Delete</a>
Water Conservation Bus Ads	3,000		<a href="#">Edit</a> <a href="#">Delete</a>
Water Conservation Shower Timers	1,396		<a href="#">Edit</a> <a href="#">Delete</a>
	9,538		

### Additional Public Information Program

You may report additional public information contacts. PLEASE list these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important/ effective listed first.

Were there additional Public Outreach efforts?  Yes  No

### Public Outreach Additional Information

[New](#)

Public Information Programs	Importance	Actions
Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets		<a href="#">Edit</a> <a href="#">Delete</a>
General water conservation information		<a href="#">Edit</a> <a href="#">Delete</a>
Website		<a href="#">Edit</a> <a href="#">Delete</a>
Website - provide link to or list of qualified landscape professionals (WaterSense, California Landscape Contractors Association, Irrigation Association, etc.) and other helpful sites		<a href="#">Edit</a> <a href="#">Delete</a>
Booths at local fairs/events		<a href="#">Edit</a> <a href="#">Delete</a>
Presentations		<a href="#">Edit</a> <a href="#">Delete</a>
Media outreach: news releases, editorial board visits, written editorials, CUWCC Reporting Database Update - Business Requirements Document Page 92 of 132 newspaper contacts, television contacts, radio contacts, articles or stories resulting from outreach. Provide names of local media markets: newspaper, TV stations, radio stations reached via media outreach program during the reporting period		<a href="#">Edit</a> <a href="#">Delete</a>
Sponsor or co-sponsor landscape workshops/training for homeowners and/or homeowners associations: number of presentations; number in attendance		<a href="#">Edit</a> <a href="#">Delete</a>
Sponsor or co-sponsor landscape workshops/training for homeowners and/or homeowners associations: number of presentations; number in attendance		<a href="#">Edit</a> <a href="#">Delete</a>
Landscape watering calculator and watering index to assist with weekly irrigation scheduling		<a href="#">Edit</a> <a href="#">Delete</a>
Total reporting period budget expenditure for public outreach/training/adult education programs (include all agency costs)		<a href="#">Edit</a> <a href="#">Delete</a>

### Social Marketing Programs

**Branding**

Does your agency have a water conservation "brand," "theme" or mascot?  Yes  No

Describe the brand, theme or mascot.  
 Theme: USE WATER WISELY!  
 Spanish: use el agua sabiamente!

**Market Research**

Have you sponsored or participated in market research to refine your message?  Yes  No

Market Research Topic: CWAC - California Water Awareness Campaign  
 Brand Message: N/A  
 Brand Mission Statement: N/A

**Community Committees**

Do you have a community conservation committee?  Yes  No

Select the name(s) of Focus or Foci: Conservation in general  
 Enter the name of Focus if not on list: Santa Barbara County Water Agency

**Training**

[New](#)

Training Type	# of Trainings	# of Attendees	Description of Other	Actions
Professional Landscapers	1	20		<a href="#">Edit</a> <a href="#">Delete</a>

**Social Marketing Expenditures**

**Public Outreach Social Marketing Expenses**

[New](#)

Expense Category	Expense Amount	Description	Actions
No data to display			

**Partnering Programs - Partners**

Name	Type of Program
<input type="checkbox"/> CLCA?	_____
<input type="checkbox"/> Green Building Programs?	_____
<input type="checkbox"/> Master Gardeners?	_____
<input type="checkbox"/> Cooperative Extension?	_____
<input type="checkbox"/> Local Colleges?	_____
<input checked="" type="checkbox"/> Other	Green Business Program
<input type="checkbox"/> Retail and wholesale outlet; name(s) and type(s) of programs: _____	

**Partnering Programs - Newsletters**

Select the type of newsletter articles published in other entities' newsletters: \_\_\_\_\_

Number of newsletters per year: 3

Number of customers per year: \_\_\_\_\_

**Partnering with Other Utilities**

Describe other utilities your agency partners with, including electrical utilities

N/A

**Conservation Gardens**

Describe water conservation gardens at your agency or other high traffic areas or new

**Landscape contests or awards**

Describe water wise landscape contest or awards program conducted by your agency

Save

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# Annual Reports

Enter Annual Reports    Agency Info    My Account

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Water Sources and Usage  
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Public Outreach Cont'd  
**School Education**

**BMP 3 - Residential**  
Traditional  
Flex Track

**BMP 4 - CII**  
Traditional  
Flex Track

**BMP 5 - Landscape**  
Traditional  
Flex Track

GPCD  
GPCD

## BMP 2.2 School Education Programs, Retail Agencies

[View MOU](#)

Save

### Required School Programs

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP?     Yes     No

Enter Wholesaler Names, separated by commas:

Santa Barbara County  
Water Agency

Materials meet state education framework requirements?

Description of Materials

Activity books educating students how to conserve water, water cycle, recycling

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

N/A

Number of students reached

1063

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

None

Number of Distribution

0

Annual budget for school education program

\$3385.17

Description of all other water supplier education programs

Class presentations, workshops, public events, etc.

### Voluntary School Program Activities

#### Classroom presentations:

Number of presentations: 51  
Conservation

Number of attendees: 1063

#### Large group assemblies:

Number of presentations: 2

Number of attendees: 40

#### Children's water festivals or other events:

Number of presentations: 14

Number of attendees: 15,000

#### Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations: 2

Number of attendees: 40

#### Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description: Book Lending Program - Provided through the Santa Barbara County Water Agency

Number distributed: 6



City of Santa Maria

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# Annual Reports

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### Water Sources and Usage

Sources  
Uses

#### BMP 1

Operations Practices  
Water Loss Control  
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Retail Conservation Pricing

#### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

#### BMP 3 - Residential

Traditional  
Flex Track

#### BMP 4 - CII

Traditional  
Flex Track

#### BMP 5 - Landscape

Traditional  
Flex Track

#### GPCD

GPCD

## BMP 3 Residential Traditional

[View MOU](#)

Survey Year 2009

Save All

Residential Assistance / Leak Detection	Single Family				Multi Family			
	Number	Requirement	Percent Compliant	Compliant	Number	Requirement	Percent Compliant	Compliant
# Accounts	6,949				2,283			
# Participants Overall			0%				0%	
# Leak Det Surveys		104	0%		34		0%	
# Showerheads			0%				0%	
# Faucet Aerators			0%				0%	
Landscape Water Survey			0%				0%	

# Other Components

# Description of Other Components Distributed: Water Conservation Kits include: low-flow showerhead; bathroom faucet aerators; kitchen swivel; fill cycle

### High Efficiency Clothes Washers HECW

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available; if seeking credit for additional water savings, you must fill out Flex Track.)

	Number	Requirement	Percent Compliant	Compliant?
Number of incentives for HECWs with an AVERAGE Water Factor of 5.0		NaN	NaN%	0

Financial incentives provided for HECWs that meet an average WF value of 5.0 or less  Yes  No

Agency Demonstration Done  Yes  No

### HECW Market Penetration Study Documents

N/A Upload Clear Browse...

### WaterSense Specification (WSS) toilets

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available; if seeking credit for additional water savings, you must fill out Flex Track.)

#### 1. Retrofit on Resale Ordinance is in Place

Yes  No

Title 9 - Ordinance

If Yes, Choose A File

Upload Clear Browse...

#### 2. A 75% Market Saturation Achieved

Yes  No

If Yes, Choose A File

N/A Upload Clear Browse...

#### 3. WSS Toilets Installed

Single Family

Multi Family

Per Bob Marshall

No records kept on file when new developers install new fixtures or other water saving components

Copy of document found at www.NoNewWipTax.com

	Number	Requirement	Percent Compliant	Compliant?	Number	Requirement	Percent Compliant	Compliant?
Number of WSS Toilets Installed								
Select or Enter Name of Other Components Distributed	<input type="text"/>							
Other Program Type Name	<input type="text"/>							
<b>WSS for New Residential Development</b>								
(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available; if seeking credit for additional water savings, you must fill out Flex Track.)								
Water Regulation In Effect For Single-Family Homes	<input checked="" type="radio"/> Yes <input type="radio"/> No							
Water Regulation In Effect For Multi-Family Homes	<input checked="" type="radio"/> Yes <input type="radio"/> No							
New Multi-Family development Ordinance/Regulation	<input type="text" value="Title 9"/> <input type="button" value="Browse..."/> <input type="button" value="Upload"/> <input type="button" value="Clear"/>							
Retrofit Done On Resale Ordinance	<input type="radio"/> Yes <input checked="" type="radio"/> No							
Number Of New Single-Family Units Built In SA	<input type="text" value="0?"/>							
	Number Of New Multi-Family Units Built In SA							<input type="text"/>
<b>List of Incentive Amounts</b> <span style="float: right;"><input type="button" value="New"/></span>								
Incentive Type	Incentive amounts	Number of WSS fixtures Installed		Actions				
No incentives <span style="margin-left: 200px;">No data to display</span>								
Number Of Participating Single-Family Homes		<input type="text" value="6,949"/>			Number Of Participating Multi-Family Homes		<input type="text" value="2,283"/>	

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City of Santa Maria

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**BMP 3 - Residential**  
 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

**BMP 4 CII** [View MOU](#)

**Report the measure type and quantity installed, as well as savings attributed to water shortage measures, intervention and actions**

Water savings goal based on 10% of the 10 Year Baseline Water Use

**New**

CII Traditional Saving			
Measure Type	Quantity Installed	Water Savings	Actions
			Update Cancel
		Total Savings:	0.00

Ⓢ Website database does not allow other information to be inputted / need more detailed description

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**Water Sources and Usage**  
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 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

**BMP 5 Landscape** [View MOU](#)

**CII Accounts with Dedicated Irrigation Meters**

Number of dedicated irrigation meter accounts

Number of dedicated irrigation meter accounts with water budgets

Aggregate water use for dedicated non-recreational landscape accounts with budgets

Aggregate acreage assigned water budgets for dedicated non-recreational landscape accounts with budgets

Aggregate acreage of recreational areas assigned water budgets and average ET for dedicated recreational landscape accounts with budgets

Preserved water use records and budgets for customers with dedicated landscape irrigation accounts for at least four years  Yes  No

---

**Technical Assistance**

Number of Accounts 20% over-budget

Number of accounts 20% over-budget offered technical assistance

Number of accounts 20% over-budget accepting technical assistance

---

**Irrigation Water Use Surveys for Mixed-use and Un-metered Accounts**

Number of mixed use and un-metered accounts

Number of irrigation water use surveys offered

Number of irrigation water use surveys accepted

Estimated annual water savings by customers receiving irrigation water save surveys and implementing recommendations

---

**Financial Incentives**

Number of Incentives	Dollar value of incentives	Incentive Types	Actions
No data to display			

*Request for an exemption*

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**Flex Track**

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Traditional  
Flex Track

**BMP 5 - Landscape**  
Traditional  
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**GPCD**  
GPCD

Optional - **BMP 3 Residential FlexTrack**

[View MOU](#)

Save All

You must enter all measured water savings manually entered in the summary cells on the right. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in the flex track data entry form which are necessary to show that the measure was implemented as described.

## Residential Flex Track Measure Types

Measured water savings (AF/Year)

Traditional Measures Water Savings Contribution

	Number	Water Savings Factor (GPD)	Water Savings
Res Assistance Program SF	6949	20.00	
Res Assistance Program MF	2283	20.00	
Res Landscape Surveys SF		25.90	
Res Landscape Surveys MF		27.95	
Res HECW	0	21.10	0.00
Res WSS Toilet SF	0	26.60	0.00
Res WSS Toilet MF	0	26.60	0.00

database to calculate figures

<b>Total Traditional Measure Water Savings</b>	168.15	(GPD)
	0.19	(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload

1) High bill contact with single-family and multi-family customers.

Select the Types of Contact:

- Email
- Phone
- Letter
- Others (describe)

Door Hangers

Upload sample of contact contents (email, letter, etc.) - if applicable

Upload

Who initiated the contact:

Select an Option

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

2) Educate residential customers about the behavioral aspects of water conservation.

yes

Select types of educational methods used:	# Events	# Customers Reached
<input checked="" type="checkbox"/> Workshop	2	40
<input checked="" type="checkbox"/> Community Event	14	15,000
<input type="checkbox"/> Letter		
<input checked="" type="checkbox"/> On-Site Visit	48	48
<input type="checkbox"/> Phone Call		
<input checked="" type="checkbox"/> Water Survey	2475	400
<input checked="" type="checkbox"/> Website Hit		
<input type="checkbox"/> Door Hanger		
<input type="checkbox"/> Other (Describe)		
	0	0

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

Shannon/Hosli

3) Notify residential customers of leaks on the customer's side of the meter.

yes

On site visit/call/door hanger  
How many were sent out?  
Upload sample notification method(email, letter, etc.) - if applicable

Upload Clear Browse...

Example attach - orange tag w/label

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

Shannon/Hosli

4) Provide bill or surcharge refunds for customers to repair leaks on the customer's side of the meter.

~~yes~~ No

Number of Leaks Repaired  
Number of bill adjustments/credits/refunds provided  
Describe here or upload a document with a policy description below:

- City Order  
Sec. 8-10.31. Disputed Accts.

[Empty input field]

Upload file describing Policy

Upload Clear Browse...

5) Provide unique water saving fixtures that are not included in the BMP list above.

Fixture or Device	Description	Quantity Installed	Actions
No data to display			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

6) Install residence water use monitors.

Type of Monitor:	Brand	Number Installed
<input type="checkbox"/> Dashboard		
<input checked="" type="checkbox"/> Leak Detector	Census	7853
<input type="checkbox"/> Data Logger		

(51,000 accts) total  
- 5xs day  
- Hourly Reads

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

7) Participate in programs that provide residences with school water conservation kits.

Yes

Number of Kits Distributed 500

Kit contents (including model of fixtures)

List of what was actually installed in the homes (number of showerheads, aerators etc.)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Yr. 2009-500 NOV.)

Shannon/Hosli

Kit includes a low-flow showerhead, bathroom faucet aerators, kitchen swivel, fill cycle diverter, leak detection tablet, flow flow meter bag with installation instructions

Upload Clear Browse...

8) Implement an automatic meter reading program for residential customers.

Yes

AMR or AMI Select an Option Type of Network Select an Option Fixed Based  
 Number of connections installed  
 Is your agency using these to contact high-use connections? Yes

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

OTHER Types of Measures.

Type of Program	Sample/Description	Actions
No data to display		

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

Upload Clear Browse...

Total Measured Water Savings (AF/Year) 0

Save All

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Section 8-10.31. Disputed accounts. Disputed accounts where a significant excess of water has been metered, and upon investigation by the Utilities Department, it is found to have been due to hidden leaks or causes not detectable by the consumer in the exercise of ordinary care, may be adjusted by the Director of Utilities on the basis of the average consumption indicated from past records for a like period, plus an amount as provided in the Schedule of Fees and Charges within this Code for excess water metered or lost; provided, that the consumer shall furnish sufficient evidence to the satisfaction of the Director of Utilities that corrective measures have been taken. (Prior Code § 20-46 (part); Ord. 2005-01, eff. 3/3/05)

# CIUDAD DE SANTA MARIA



## DEPARTAMENTO DE UTILIDADES

Factura: 110 E. Cook Street

Teléfono 925-0951, ext. 218 o 217

Fecha: \_\_\_\_\_ Hora: \_\_\_\_\_

**Our records and observation indicate that:**

- a leak
- high consumption (landscape)

may be present on your property. This could reflect on a higher water bill and is the customer's responsibility to maintain their own plumbing.

CUBIC FT PER HOUR  
7.48 GALLONS PER CUBIC FT



# 2010 Activity Report Forms for Demand Management Measures

---



City of Santa Maria

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# Annual Reports

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**Water Sources and Usage Sources**

Uses

**BMP 1**

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Retail Conservation Pricing

**BMP 2**

Public Outreach  
Public Outreach Cont'd  
School Education

**BMP 3 - Residential**

Traditional  
Flex Track

**BMP 4 - CII**

Traditional  
Flex Track

**BMP 5 - Landscape**

Traditional  
Flex Track

**GPCD**

GPCD

## Water Sources

Service Area Population: 99,553

Save

**Potable**

**Own Sources** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
Wells	3,044	Groundwater	<input type="checkbox"/> Edit <input type="checkbox"/> Delete
Total: 3,044.00			

**Imported Water** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
State Water	10349	Surface	<input type="checkbox"/> Update <input type="checkbox"/> Cancel
Total: 0.00			

**Exported Water** New

Supply Source Name	Quantity Exported (AF/Year)	Where Exported	Actions
			<input type="checkbox"/> Update <input type="checkbox"/> Cancel
Total: 0.00			

Net Potable Into the System: AF/Year

**Non Potable**

**Own Sources** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
Well	66	Groundwater	<input type="checkbox"/> Update <input type="checkbox"/> Cancel
Total: 0.00			

**Imported Water** New

Supply Source Name	Quantity Supplied (AF/Year)	Water Supply Type	Actions
No data to display			
Total : 0.00			

**Exported Water** New

Supply Source Name	Quantity Exported (AF/Year)	Where Exported	Actions
No data to display			
Total : 0.00			

Net NonPotable Into the System: AF/Year

City of Santa Maria

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# Annual Reports

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**Water Sources and Usage**

Sources  
Uses

**BMP 1**

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Metering with Commodity  
Retail Conservation Pricing

**BMP 2**

Public Outreach  
Public Outreach Cont'd  
School Education

**BMP 3 - Residential**

Traditional  
Flex Track

**BMP 4 - CII**

Traditional  
Flex Track

**BMP 5 - Landscape**

Traditional  
Flex Track

**GPCD**

GPCD

## Water Uses

**Potable**

						New	
Property Type	Metered # Accounts	Metered Water Delivered (AF/Year)	Un-Metered # Account	Un-Metered Water Delivered In AF	Actions		
Single-Family	18,436	6,605.00	0	0.00	Edit	Delete	
Multi-Family	787	2,231.00	0	0.00	Edit	Delete	
Commercial	947	1,252.00	0	0.00	Edit	Delete	
Industrial	89	337.00	0	0.00	Edit	Delete	
Institutional	947	1,252.00	0	0.00	Edit	Delete	
Dedicated Irrigation	355	1,054.00	0	0.00	Edit	Delete	
System Flushing	0	0.00	0	0.00	Edit	Delete	
Fire Lines	0	0.00	0	0.00	Edit	Delete	
Total : 12,731.00				Total : 0.00			

						New	
Property Type	Metered # Account	Metered Water Deliveries (AF/Year)	Un-Metered # Account	Un-Metered Water Deliveries AF/Year	Actions		
Single-Family					Edit	Delete	
Multi-Family					Edit	Delete	
Commercial					Edit	Delete	
Industrial					Edit	Delete	
Institutional					Edit	Delete	
Dedicated Irrigation					Edit	Delete	
System Flushing					Edit	Delete	
Fire Lines					Edit	Delete	
Total : 0.00				Total : 0.00			

Net Potable Into the System: 12,731.00 AF/Year

**Non Potable**

						New	
Property Type	Metered # Accounts	Metered Water Delivered (AF/Year)	Un-Metered # Accounts	Un-Metered Water Delivered (AF/Year)	Actions		
Agricultural	1	2.00	0	0.00	Edit	Delete	
Total : 2.00				Total : 0.00			

Un-Billed					New
Property Type	Metered # Accounts	Metered Water Deliveries (AF/Year)	Un-Metered # Accounts	Un-Metered Water Deliveries (AF/Year)	Actions
Agricultural					<input type="button" value="Edit"/> <input type="button" value="Delete"/>
		Total : 0.00			Total : 0.00
Net NonPotable Into the System: 2.00 AF/Year					

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City of Santa Maria

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# Annual Reports

Enter Annual Reports | Agency Info | My Account

### Reporting Year

< 2010 >

### Water Sources and Usage

Sources  
Uses

### BMP 1

Operations Practices  
Water Loss Control  
Metering with Commodity  
Retail Conservation Pricing

### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

### BMP 3 - Residential

Traditional  
Flex Track

### BMP 4 - CII

Traditional  
Flex Track

### BMP 5 - Landscape

Traditional  
Flex Track

### GPCD

GPCD

## BMP 1.1 Operations Practices

[View MOU](#)

Save

### Conservation Coordinator

Conservation Coordinator  Yes  No

### Contact Information

First Name	Myra	Street Address 1	2065 E. Main Street
Last Name	Ritchie	Street Address 2	
Title	Water Conservation Specialist	City	Santa Maria
Phone	805-925-0951 Ext. 7235	State	CA
Mobile Phone	805-310-6483	PostalCode	93454
Email	mritchie@ci.santa-maria.ca.us		

### Water Waste Prevention

An agency MUST do at least one of the following five strategies; although water agencies are encouraged to do them all when possible.

**Option A** (Describe, upload or provide an electronic link to, the ordinance or terms of service adopted by your agency to meet the water waste prevention requirements of this BMP.)

Upload File

Uploaded filename: [Water Waste Prohibition - City Ordinance.pdf](#)

URL

Describe Ordinance or Terms

The city ordinances 8-10-32 and 8-10-33 states that all customers are required to maintain in good repair all of their pipes, faucets, valves, plumbing fixtures or any other water-use appliances, at all times to prevent the waste of water. The City has the right to shut off the water by the water division and will not be turned on again

**Option B** (Describe, upload, or provide an electronic link to, any water waste prevention ordinances or requirements adopted by your local jurisdiction(s) or regulatory agencies within your service area.)

Upload File

Uploaded filename: [Copy of Water Waste Prohibition - City Ordinance.pdf](#)

URL

Describe Ordinances or Requirements

Section 8-10.33 states that the water may be shut off and sealed by the Utilities Department until a turn on fee is paid if the customer is found to willfully and negligently wastes water through the misuse of sprinkler. 9-4.08 states that all commercial car wash facilities, including self wash, shall have a water recycling system and the

**Option C** (Describe, upload or provide an electronic link to, any documentation of Support provided for legislation or regulations that prohibit water waste.)

Upload File

[Browse...](#)

URL

Describe the support provided for legislation or regulations that prohibit water waste.

**Option D** (Describe your agency's efforts to cooperate with other entities in the adoption or enforcement of local requirements consistent with this BMP.)

Describe Efforts

**Option E** (Describe your agency's support positions with respect to adoption of legislation or regulations that are consistent with this BMP.)

Describe Legislation

**Enforcement Reporting**

Select from the list your agency's water waste prevention program and rank the importance of each program (where 1 = most important)

[New](#)

Water Waste Prevention Type	Importance Ranking	Description	Actions
-----------------------------	--------------------	-------------	---------

No data to display

**Select the BMP for which support is provided**

This section needs to be completed by the wholesale water agencies

**Financial Investments & Building Partnerships**

Enter the types of BMP Number Provided. Click the New button to add a new line, then click Update when finished.

[New](#)

BMP Name	Expense	Equivalent Resources Provided	Actions
----------	---------	-------------------------------	---------

No data to display

**Technical Support**

Enter the types of Technical Support Provided. Click the New button to add a new line, then click Update when finished.

[New](#)

Technical Support Type	Technical Support Expenses	Description	Actions
No data to display			

**Program Management**

Enter the types of BMP Name Provided. Click the New button to add a new line, then click Update when finished.

			New
BMP Name	Program Description	Organization Name	Actions
No data to display			

**Water Shortage Allocation**

Agency Has A Water Shortage Allocation Plan or Policy  Yes  No

Upload File

Browse...

Uploaded filename: [DraftSection\\_WaterShortageContingencyPlanning.docx](#)

Date of Adoption

**Encourage CUWCC Membership**

List Efforts to Recruit Retail Agencies

Amount of Dues Paid on Behalf of Retail Agencies

*2010 Dues / Membership*

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City of Santa Maria

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# Annual Reports

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**Reporting Year**  
 <| 2010 >|

**Water Sources and Usage**  
 Sources  
 Uses

**BMP 1**  
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 Water Loss Control  
 Metering with Commodity  
 Retail Conservation Pricing

**BMP 2**  
 Public Outreach  
 Public Outreach Cont'd  
 School Education

**BMP 3 - Residential**  
 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

### BMP 1.2 Water Loss Control [View MOU](#)

**Save**

**AWWA Water Audit**

Agency to complete a Water Audit & Balance Using The AWWA Software  Yes  No  
 Upload Worksheets (AWWA Water Audit)

**Browse...**

**Upload** **Clear**

Agency Test Source , Import & Production Meters this Reporting Year  Yes  No  
 Water Audit Validity Score 72%  Yes  No  
 Agency Completed Training In The AWWA Water Audit Method  Yes  No  
 Agency Completed Training In The Component Analysis Process  Yes  No  
 Completed/Updated the Component Analysis (at least every 4 years)?  Yes  No  
 Component Analysis Completed/Updated Date 4/11/11

**Water Loss Performance**

Agency Demonstrated Progress in Water Loss Control Performance  Yes  No  
 Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective  Yes  No  
**Agency Established & Maintained a Record Keeping System For The Repair of Reported Leaks for The Following**

Date/Time Leak Reported <input checked="" type="radio"/> Yes <input type="radio"/> No	Leak Location <input checked="" type="radio"/> Yes <input type="radio"/> No
Type of Leaking Pipe Segment or Fitting <input checked="" type="radio"/> Yes <input type="radio"/> No	Leak Running Time From Report to Repair <input checked="" type="radio"/> Yes <input type="radio"/> No
Leak Volume Estimate : <input checked="" type="radio"/> Yes <input type="radio"/> No	Cost of Repair: <input checked="" type="radio"/> Yes <input type="radio"/> No

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective  Yes  No  
 Type of Program Activities Used to Detect Unreported Leaks

**Annual Summary Information**  
 Complete the following table with annual summary information (required for reporting years 2-5 only)

**New**

Total Leaks Repaired	Economic Value Of RealLoss	Economic Value Of AppLoss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)	Actions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Update Cancel

**AWWA Model**  
 Please download the current [AWWA Water Audit Excel file here](#)

This information can be obtained from the AWWA Water Audit Spreadsheet

Revision: 2315

# AWWA Water Loss Control Committee (WLCC) Free Water Audit Software v4.1

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WAS v4.1

**PURPOSE:** This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format, and is not meant to take the place of a full-scale, comprehensive water audit format.

**USE:** The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons on the left below. Descriptions of each sheet are also given below.

**THE FOLLOWING KEY APPLIES THROUGHOUT:**

- Value can be entered by user
- Value calculated based on input data
- These cells contain recommended default values

Please begin by providing the following information, then proceed through each sheet in the workbook:

NAME OF CITY OR UTILITY:  COUNTRY:

REPORTING YEAR:  START DATE (MM/YYYY):  END DATE (MM/YYYY):

NAME OF CONTACT PERSON:  E-MAIL:  TELEPHONE:   
 Ext.

PLEASE SELECT PREFERRED REPORTING UNITS FOR WATER VOLUME:

Click to advance to sheet...

Click here:  for help about units and conversions

<b>Instructions</b>	The current sheet
<b>Reporting Worksheet</b>	Enter the required data on this worksheet to calculate the water balance
<b>Water Balance</b>	The values entered in the Reporting Worksheet are used to populate the water balance
<b>Grading Matrix</b>	Depending on the confidence of audit inputs, a grading is assigned to the audit score
<b>Service Connections</b>	Diagrams depicting possible customer service connection configurations
<b>Definitions</b>	Use this sheet to understand terms used in the audit process
<b>Loss Control Planning</b>	Use this sheet to interpret the results of the audit validity score and performance indicators

**Comments:**

Add comments here to track additional supporting information, sources or names of participants

If you have questions or comments regarding the software please contact us at: [wlc@awwa.org](mailto:wlc@awwa.org)

[Click to access definition](#)

Water Audit Report for: **City of Santa Maria Utilities Department**  
 Reporting Year: **2010** **1/2010 - 12/2010**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

**WATER SUPPLIED**

<< Enter grading in column 'E'

Volume from own sources:	<input type="text" value="5"/>	<input type="text" value="6,605.000"/>	acre-ft/yr
Master meter error adjustment (enter positive value):	<input type="text" value="5"/>	<input type="text" value="2.000"/>	over-registered acre-ft/yr
Water imported:	<input type="text" value="9"/>	<input type="text" value="10,349.000"/>	acre-ft/yr
Water exported:	<input type="text" value="7"/>	<input type="text" value="92.000"/>	acre-ft/yr
<b>WATER SUPPLIED:</b>		<b><input type="text" value="16,860.000"/></b>	acre-ft/yr

**AUTHORIZED CONSUMPTION**

Billed metered:	<input type="text" value="9"/>	<input type="text" value="13,072.000"/>	acre-ft/yr
Billed unmetered:	<input type="text" value="10"/>	<input type="text" value="0.000"/>	acre-ft/yr
Unbilled metered:	<input type="text" value="10"/>	<input type="text" value="0.000"/>	acre-ft/yr
Unbilled unmetered:	<input type="text" value="1"/>	<input type="text" value="210.750"/>	acre-ft/yr
Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed			
<b>AUTHORIZED CONSUMPTION:</b>		<b><input type="text" value="13,282.750"/></b>	acre-ft/yr

Click here:  for help using option buttons below

Pent:  Value:

Use buttons to select percentage of water supplied OR value

WATER LOSSES (Water Supplied - Authorized Consumption)  acre-ft/yr

**Apparent Losses**

Unauthorized consumption:	<input type="text" value="5"/>	<input type="text" value="42.150"/>	acre-ft/yr
Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed			
Customer metering inaccuracies:	<input type="text" value="7"/>	<input type="text" value="0.000"/>	acre-ft/yr
Systematic data handling errors:	<input type="text" value="8"/>	<input type="text" value="275.000"/>	acre-ft/yr
<b>Apparent Losses:</b>		<b><input type="text" value="317.150"/></b>	

Pent:  Value:

Choose this option to enter a percentage of billed metered consumption. This is NOT a default value

**Real Losses (Current Annual Real Losses or CARL)**

Real Losses = Water Losses - Apparent Losses:	<input type="text" value="7"/>	<input type="text" value="3,260.100"/>	acre-ft/yr
<b>WATER LOSSES:</b>		<b><input type="text" value="3,577.250"/></b>	acre-ft/yr

**NON-REVENUE WATER**

NON-REVENUE WATER:   acre-ft/yr

= Total Water Loss + Unbilled Metered + Unbilled Unmetered

**SYSTEM DATA**

Length of mains:	<input type="text" value="9"/>	<input type="text" value="350.0"/>	miles
Number of active AND inactive service connections:	<input type="text" value="6"/>	<input type="text" value="21,500"/>	
Connection density:		<input type="text" value="61"/>	conn./mile main
Average length of customer service line:	<input type="text" value="5"/>	<input type="text" value="15.0"/>	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	<input type="text" value="9"/>	<input type="text" value="70.0"/>	psi

**COST DATA**

Total annual cost of operating water system:	<input type="text" value="9"/>	<input type="text" value="\$6,834,010"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="text" value="6"/>	<input type="text" value="\$4.04"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="text" value="7"/>	<input type="text" value="\$273.00"/>	\$/acre-ft/yr

**PERFORMANCE INDICATORS**

**Financial Indicators**

Non-revenue water as percent by volume of Water Supplied:	<input type="text" value="22.5%"/>
Non-revenue water as percent by cost of operating system:	<input type="text" value="22.0%"/>
Annual cost of Apparent Losses:	<input type="text" value="\$558,128"/>
Annual cost of Real Losses:	<input type="text" value="\$890,007"/>

**Operational Efficiency Indicators**

Apparent Losses per service connection per day:	<input type="text" value="13.17"/>	gallons/connection/day
Real Losses per service connection per day*:	<input type="text" value="135.37"/>	gallons/connection/day
Real Losses per length of main per day*:	<input type="text" value="N/A"/>	
Real Losses per service connection per day per psi pressure:	<input type="text" value="1.93"/>	gallons/connection/day/psi
<input type="text" value="7"/> Unavoidable Annual Real Losses (UARL):	<input type="text" value="142.48"/>	million gallons/year
From Above, Real Losses - Current Annual Real Losses (CARL):	<input type="text" value="3,260.10"/>	million gallons/year
<input type="text" value="9"/> Infrastructure Leakage Index (ILI) [CARL/UARL]:	<input type="text" value="7.46"/>	

\* only the most applicable of these two indicators will be calculated

**WATER AUDIT DATA VALIDITY SCORE:**

**\*\*\* YOUR SCORE IS: 72 out of 100 \*\*\***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

**PRIORITY AREAS FOR ATTENTION:**

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Master meter error adjustment
- 3: Water exported

[For more information, click here to see the Grading Matrix worksheet](#)

**AWWA WLCC Free Water Audit Software: Water Balance**

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WAS v4.1

Water Audit Report For:

Report Yr:

Department

2010

Water Exported		Billed Water Exported			
Own Sources (Adjusted for known errors)  6,603.000	92.000	Authorized Consumption  13,282.750	Billed Authorized Consumption	Billed Metered Consumption (inc. water exported)	Revenue Water
	Water Supplied  16,860.000		13,072.000	13,072.000	13,072.000
			Unbilled Authorized Consumption	210.750	Billed Unmetered Consumption
		Water Losses  3,577.250		Apparent Losses  317.150	Unbilled Metered Consumption
	Real Losses  3,260.100		Unbilled Unmetered Consumption		210.750
			Unauthorized Consumption		42.150
Water Imported  10,349.000	Leakage on Transmission and/or Distribution Mains  Not broken down	Customer Metering Inaccuracies	0.000		
		Leakage and Overflows at Utility's Storage Tanks  Not broken down	Systematic Data Handling Errors	275.000	
			Leakage on Service Connections  Not broken down		

City of Santa Maria

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# Annual Reports

Enter Annual Reports   Agency Info   My Account

**Reporting Year**  
 < 2010 >

**Water Sources and Usage**  
 Sources  
 Uses

**BMP 1**  
 Operations Practices  
 Water Loss Control  
**Metering with Commodity**  
 Retail Conservation Pricing

**BMP 2**  
 Public Outreach  
 Public Outreach Cont'd  
 School Education

**BMP 3 - Residential**  
 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

## BMP 1.3 Metering with Commodity Rates

[View MOU](#)

**Save**

### Implementation

Does your agency have any unmetered service connections?    Yes    No

If YES, has your agency completed a meter retrofit plan?    Yes    No

If YES, number of previously unmetered accounts fitted with meters during reporting year:

Are all new service connections being metered?    Yes    No

Are all new service connections being billed volumetrically?    Yes    No

Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters?    Yes    No

### Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
Single Family	18,436	18,436	18,436	Monthly	12
Multi-Family	787	787	787	Monthly	12
Commercial	947	947	947	Monthly	12
Industrial	89	89	89	Monthly	12
Institutional	947	947	947	Monthly	12
Landscape Irrigation	355	355	355	Monthly	12

### Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?    Yes    No

#### If YES, please fill in the following information:

A. When was the Feasibility Study conducted

B. Describe, upload or provide an electronic link to the Feasibility Study Upload File

**Browse...**

**Upload**   **Clear**

URL

Describe

Number of CII Accounts with Mixed-used Meters

Number of CII Accounts with Mixed-used Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

### At Least As Effective As

Is your agency implementing an "at least as effective as" variant of this BMP?    Yes    No

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."

**Comments**

Comments On Metering with Commodity Rates

All of the city's connections are being metered. There are no unmetered connections retrofitted during the reporting year.

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City of Santa Maria

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# Annual Reports

Enter Annual Reports Agency Info My Account

### Reporting Year

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### Water Sources and Usage

Sources  
Uses

#### BMP 1

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Water Loss Control  
Metering with Commodity  
Retail Conservation Pricing

#### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

#### BMP 3 - Residential

Traditional  
Flex Track

#### BMP 4 - CII

Traditional  
Flex Track

#### BMP 5 - Landscape

Traditional  
Flex Track

#### GPCD

GPCD

## BMP 1.4 Retail Conservation Pricing

[View MOU](#)

0 0

### Implementation (Water Rate Structure)

Enter the Water Rate Structures that are assigned to the majority of your customers, by customer class

Rate Structure Option	Customer Class Name	Total Revenue Commodity Charges	Total Revenue Customer Meter/Service (Fixed) Charges	Actions
Service Not Provided				<input type="button" value="Update"/> <input type="button" value="Cancel"/>
Increasing Block	Single Family	-10,733,292.23	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Increasing Block	Multi Family	-2,603,406.59	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Increasing Block	Commercial	-3,638,222.88	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Increasing Block	Industrial	488,746.64	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Increasing Block	Institutional		0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Increasing Block	Dedicated Irrigation	1,555,254.36	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Service Not Provided	Recycled	0	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Service Not Provided	Raw	0	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	Other		\$0	

### Implementation Option (Conservation Pricing Option)

Please Select an Option

- Use Annual Revenue As Reported
- Use Canadian Water & Wastewater Association Rate Design Model

#### Annual Revenue as Reported

Total annual revenue from volumetric rates V = 0  
Total annual revenue from customer meter/service (fixed) charges M = 0

### Retail Waste Water (Sewer) Rate Structure by Customer Class

No

Agency Provide Sewer Service

Yes  No

Select the Retail Waste Water(Sewer) Rate Structure assigned to the majority of your customers within a specific customer class.

Rate Structure Option	Customer Class Name	Total Revenue Commodity Charges	Total Revenue Customer Meter/Service (Fixed) Charges	Actions
Non-Volumetric Flat Rate	Single Family	2,158,433.12	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Non-Volumetric Flat Rate	Multi Family	635,179.05	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Non-Volumetric Flat Rate	Commercial	977,062.47	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Non-Volumetric Flat Rate	Institutional		0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Hotel  
123,719.55

Mobile  
394,279.73

Motel  
248,960.75

Hotel      Mobile      Motel  
42,790.56      117,263.14      106,349.40

Copy of document found at [www.NoNewWipTax.com](http://www.NoNewWipTax.com)

Uniform Seasonal	Industrial 158,895.16	<input type="text"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Service Not Provided	Recycled	<input type="text"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
		\$0		\$0

**At Least As Effective As**

**If Agency Implemented an AT LEAST AS EFFECTIVE AS variant then Please Give Explanation**

Agency is Implementing an AT LEAST AS EFFECTIVE AS variant of this BMP  Yes  No

Explanation of AT LEAST AS EFFECTIVE AS

**Exemption Request**

**If Agency has Requested an Exemption then please Select a Exemption Type**

Agency has Requested an Exemption from Implementing this BMP  Yes  No

Exemption Type

Comments on Conservation Pricing BMP

Seven of our industrial sewer users are billed on volumetric use effected by monthly BODs and TSS readings taken from monthly samplings. The strength of their BOD and TSS readings effectshow much their monthly sewer bill is.

**Download Canadian Rate Manual, and Instructions**

- [Instructions](#)
- [Canadian Rate Manual](#)

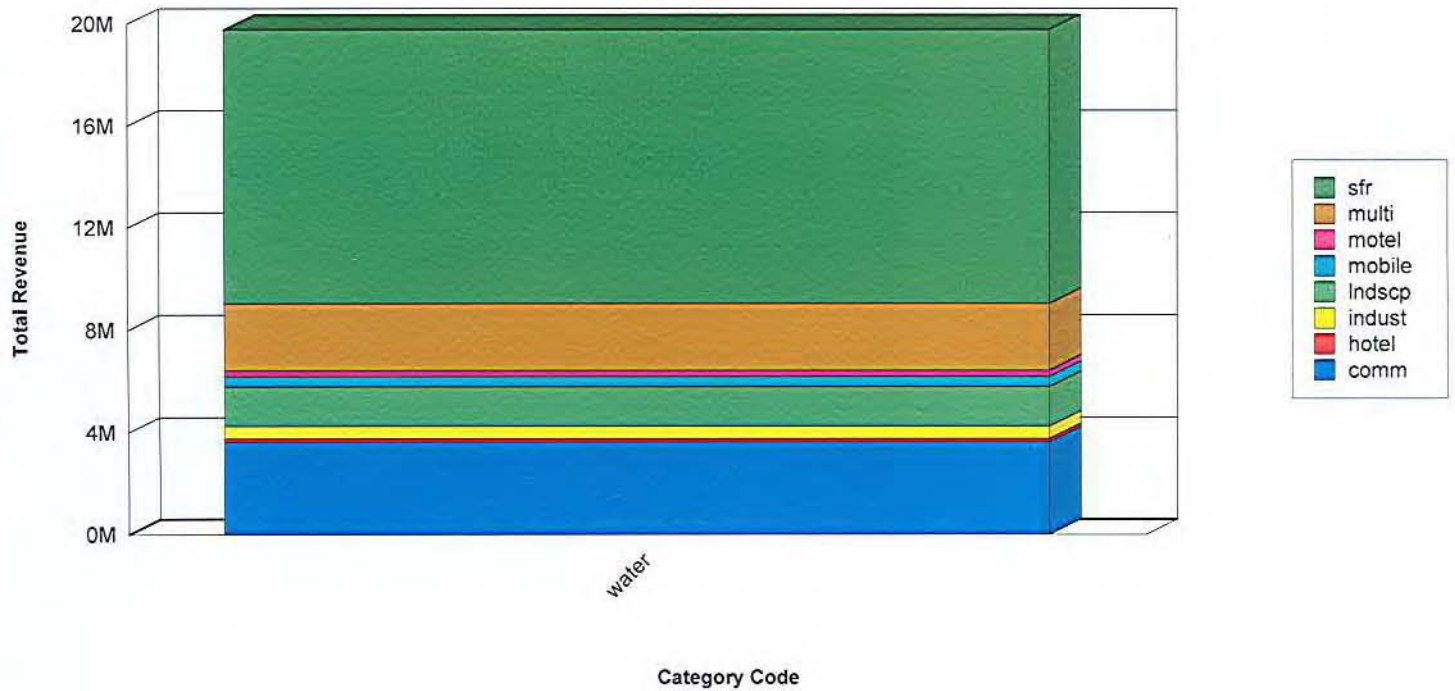
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07/01/2010 through 03/31/2011

Account Type

Category Code	Account Type			
	comm	hotel	indust	Indscp
water	3,638,222.88	123,719.55	488,746.64	1,555,254.36
Total	3,638,222.88	123,719.55	488,746.64	1,555,254.36



mobile	motel	multi	sfr	Total
394,279.73	248,960.75	2,603,406.59	10,733,292.23	19,785,882.73
394,279.73	248,960.75	2,603,406.59	10,733,292.23	19,785,882.73

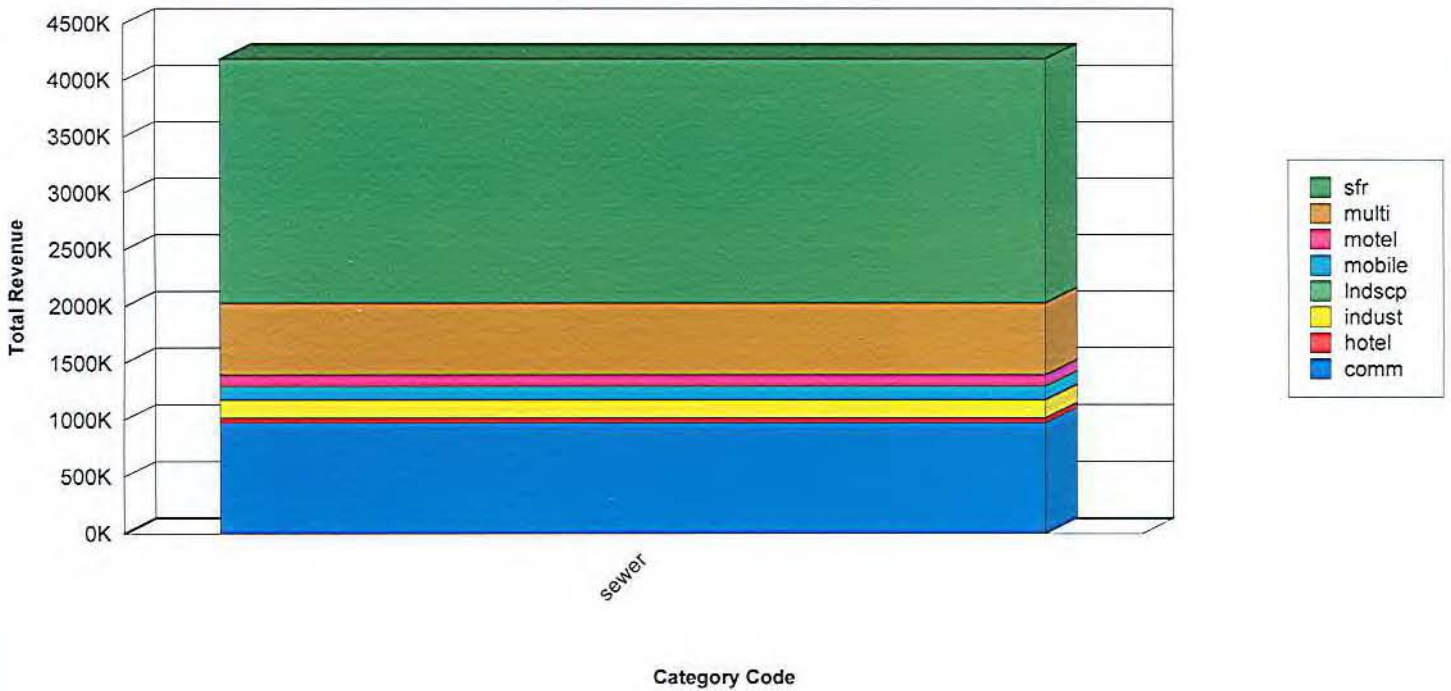
### Revenue by Category code and Account type

City of Santa Maria

07/01/2010 through 03/31/2011

Account Type

Category Code	Account Type			
	comm	hotel	indust	Indscp
sewer	977,062.47	42,790.56	158,895.16	1,332.23
Total	977,062.47	42,790.56	158,895.16	1,332.23



mobile	motel	multi	sfr	Total
117,263.14	100,349.40	635,179.05	2,158,433.12	4,191,305.13
117,263.14	100,349.40	635,179.05	2,158,433.12	4,191,305.13

City of Santa Maria

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 Public Outreach Cont'd  
 School Education

**BMP 3 - Residential**  
 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

## BMP 2.1 Public Outreach

[View MOU](#)

[Save](#)

16 6 0

### Is a Wholesale Agency Performing Public Outreach?

Are there one or more wholesale agencies performing public outreach which can be counted to help your agency comply with the BMP?  Yes  No

Select the wholesale agency name(s)

Enter the name(s) of the wholesale agency if not on the list (comma delimited)

### Is the Retail Agency Performing Public Outreach?

Report a minimum of 4 water conservation related contacts your agency had with the public during the year.

#### Public Information Programs List [New](#)

Number of Public Contacts	Did at least one contact take place during each quarter of the reporting year?	Public Information Programs	Actions
16		General water conservation information	<a href="#">Edit</a> <a href="#">Delete</a>
16			

### Contact with the Media

Are there one or more wholesale agencies performing media outreach which can be counted to help your agency comply with the BMP?  Yes  No

Select the wholesale agency name(s)

Enter the name(s) of the wholesale agency if not on the list (comma delimited)

### OR Retail Agency (Contacts with the Media)

#### Media Contacts List [New](#)

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types	Actions
6		News releases	<a href="#">Edit</a> <a href="#">Delete</a>
6			

### Is a Wholesale Agency Performing Website Updates?

Did one or more CUWCC wholesale agencies agree to assume your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP?  Yes  No

Select the wholesale agency name(s)

Enter the name(s) of the wholesale agency if not on the list (comma delimited)

### Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Press Release

- Water Awareness Month
- Water Conservation Website
- Press Release / Fix A Leak
- Survey

Did at least one Website Update take place during each quarter of the reporting year?

Yes  No

**Public Outreach Annual Budget**

Enter budget for public outreach programs. You may enter total budget in a single line or break the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

New

Category	Amount	Transaction Type	Personnel Costs Included?	Comments	Actions
No data to display					

Save

• Water Conservation  
Ads & Publications -

Budget  
\$ 19,896.<sup>00</sup>

Revision: 2315

• Water Conservation  
Promotion & Publicity -

Budget  
\$ 5250.<sup>00</sup>

City of Santa Maria

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# Annual Reports

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### Reporting Year

< 2010 >

### Water Sources and Usage

Sources  
Uses

### BMP 1

Operations Practices  
Water Loss Control  
Metering with Commodity  
Retail Conservation Pricing

### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

### BMP 3 - Residential

Traditional  
Flex Track

### BMP 4 - CII

Traditional  
Flex Track

### BMP 5 - Landscape

Traditional  
Flex Track

### GPCD

GPCD

## BMP 2.1 Public Outreach Cont'd

[View MOU](#)

0.00 true

### Public Outreach Expenses

Enter expenses for public outreach programs. Please include the same kind of expenses you included in the question related to your budget (Section 2.1.7, above). For example, if you included personnel costs in the budget entered above, be sure to include them here as well.

Expense Category	Expense Amount	Personnel Costs Included?	Actions	
		<input type="checkbox"/>	<input type="button" value="Update"/>	<input type="button" value="Cancel"/>
Water Conservation Kits			<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Water Conservation Bud Ads			<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Water Conservation Shower Timers			<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

### Additional Public Information Program

You may report additional public information contacts. PLEASE list these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important/ effective listed first.

Were there additional Public Outreach efforts?

Yes  No

### Public Outreach Additional Information

Public Information Programs	Importance	Actions	
		<input type="button" value="Update"/>	<input type="button" value="Cancel"/>
Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
General water conservation information		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Website		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Website - provide link to or list of qualified landscape professionals (WaterSense, California Landscape Contractors Association, Irrigation Association, etc.) and other helpful sites		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Booths at local fairs/events		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Presentations		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Media outreach: news releases, editorial board visits, written editorials, CUWCC Reporting Database Update - Business Requirements Document Page 92 of 132 newspaper contacts, television contacts, radio contacts, articles or stories resulting from outreach. Provide names of local media markets: newspaper, TV stations, radio stations reached via media outreach program during the reporting period		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Sponsor or co-sponsor landscape workshops/training for homeowners and/or homeowners associations: number of presentations; number in attendance		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Landscape watering calculator and watering index to assist with weekly irrigation scheduling		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

### Social Marketing Programs

**Branding**

Does your agency have a water conservation "brand," "theme" or mascot?  Yes  No

Describe the brand, theme or mascot.

Theme: USE WATER WISELY!  
 Spanish: use el agua sabiamente!

**Market Research**

Have you sponsored or participated in market research to refine your message?  Yes  No

Market Research Topic

CWAC - California Water Awareness Campaign

Brand Message

Brand Mission Statement

**Community Committees**

Do you have a community conservation committee?  Yes  No

Select the name(s) of Focus or Foci

Conservation in general

Enter the name of Focus if not on list:

Santa Barbara County Water Agency

**Training**

[New](#)

Training Type	# of Trainings	# of Attendees	Description of Other	Actions
Professional Landscapers	1	20		<a href="#">Edit</a> <a href="#">Delete</a>

**Social Marketing Expenditures**

**Public Outreach Social Marketing Expenses**

[New](#)

Expense Category	Expense Amount	Description	Actions
No data to display			

**Partnering Programs - Partners**

Name

Type of Program

- CLCA?
- Green Building Programs?
- Master Gardeners?
- Cooperative Extension?
- Local Colleges?
- Other Green Business Program

Retail and wholesale outlet; name(s) and type(s) of programs:

**Partnering Programs - Newsletters**

Select the type of newsletter articles published in other entities' newsletters

Number of newsletters per year

Number of customers per year

4



**Partnering with Other Utilities**

Describe other utilities your agency partners with, including electrical utilities

**Conservation Gardens**

Describe water conservation gardens at your agency or other high traffic areas or new

**Landscape contests or awards**

Describe water wise landscape contest or awards program conducted by your agency

Save

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## Annual Reports

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**Reporting Year**

< 2010 >

**Water Sources and Usage**

Sources  
Uses

**BMP 1**

Operations Practices  
Water Loss Control  
Metering with Commodity  
Retail Conservation Pricing

**BMP 2**

Public Outreach  
Public Outreach Cont'd  
**School Education**

**BMP 3 - Residential**

Traditional  
Flex Track

**BMP 4 - CII**

Traditional  
Flex Track

**BMP 5 - Landscape**

Traditional  
Flex Track

**GPCD**

GPCD

### BMP 2.2 School Education Programs, Retail Agencies

[View MOU](#)

Save

**Required School Programs**

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP?     Yes     No

Enter Wholesaler Names, separated by commas:

Santa Barbara County Water Agency

Materials meet state education framework requirements?

Description of Materials:

Colorful activity books which educates students how to conserve water, learn about water cycle, and how to recycle.

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

N/A

Number of students reached

565

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

NOT APPLICABLE

Number of Distribution

Annual budget for school education program

2,000.00

Description of all other water supplier education programs

**Voluntary School Program Activities**

**Classroom presentations:**

Number of presentations    31  
Conservation

Number of attendees    565

**Large group assemblies:**

Number of presentations    1

Number of attendees    20

**Children's water festivals or other events:**

Number of presentations    12

Number of attendees    10,000

**Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:**

Number of presentations    1

Number of attendees    20

**Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):**

Description    Book Lending Program - Provided through the Santa Barbara County Water Agency

Number distributed    6

**Staffing children's booths at events & festivals:**

Number of booths  Number of attendees

**Water conservation contests such as poster and photo:**

Description   
Number distributed

**Offer monetary awards/funding or scholarships to students:**

Number Offered  Total Funding

**Teacher training workshops:**

Number of presentations  Number of attendees

**Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:**

Number of tours or field trips  Number of participants

**College internships in water conservation offered:**

Number of internships  Total funding

**Career fairs/workshops:**

Number of presentations  Number of attendees

**Additional program(s) supported by agency but not mentioned above:**

Description   
Number of events (if applicable)  Number of participants

**Total reporting period budget expenditures for school education programs (include all agency costs):**

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City of Santa Maria

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# Annual Reports

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**Reporting Year**  
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**Water Sources and Usage**  
 Sources  
 Uses

**BMP 1**  
 Operations Practices  
 Water Loss Control  
 Metering with Commodity  
 Retail Conservation Pricing

**BMP 2**  
 Public Outreach  
 Public Outreach Cont'd  
 School Education

**BMP 3 - Residential**  
 Traditional  
**Flex Track**

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

**BMP 3 Residential FlexTrack** [View MOU](#)

You must enter all measured water savings manually entered in the summary cells on the right. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in the flex track data entry form which are necessary to show that the measure was implemented as described.

## Residential Flex Track Measure Types Measured water savings (AF/Year)

<input type="checkbox"/> Traditional Measures Water Savings Contribution			
	Number	Water Savings Factor (GPD)	Water Savings
Res Assistance Program SF	6605	20.00	
Res Assistance Program MF	2231	20.00	
Res Landscape Surveys SF		25.90	
Res Landscape Surveys MF		27.95	
Res HECW	0	21.10	0.00
Res WSS Toilet SF	0	26.60	0.00
Res WSS Toilet MF	0	26.60	0.00
<b>Total Traditional Measure Water Savings</b>			168.15 (GPD) 0.19 (AF/Year)

**If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)**

**1) High bill contact with single-family and multi-family customers.**

Select the Types of Contact:

- Email
- Phone
- Letter
- Others (describe)

Upload sample of contact contents (email, letter, etc.) - if applicable

Who initiated the contact:

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

2) Educate residential customers about the behavioral aspects of water conservation.

Select types of educational methods used:	# Events	# Customers Reached
<input checked="" type="checkbox"/> Workshop	1	20
<input checked="" type="checkbox"/> Community Event	12	10,000
<input type="checkbox"/> Letter		
<input checked="" type="checkbox"/> On-Site Visit	12	12
<input type="checkbox"/> Phone Call		
<input checked="" type="checkbox"/> Water Survey	2 <b>**Must be an Integer</b>	400
<input checked="" type="checkbox"/> Website Hit		
<input type="checkbox"/> Door Hanger		
<input type="checkbox"/> Other (Describe) <input type="text"/>		
	27	10,432

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

3) Notify residential customers of leaks on the customer's side of the meter.

Type of Notification (Describe)

How many were sent out?

Upload sample notification method(email, letter, etc. ) - if applicable

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

4) Provide bill or surcharge refunds for customers to repair leaks on the customer's side of the meter.

Number of Leaks Repaired

Number of bill adjustments/credits/refunds provided

Describe here or upload a document with a policy description below:

Upload file describing Policy

5) Provide unique water saving fixtures that are not included in the BMP list above.

				New
Fixture or Device	Description	Quantity Installed	Actions	
No data to display				

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

6) Install residence water use monitors.

Type of Monitor:	Brand	Number Installed
<input type="checkbox"/> Dashboard	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Leak Detector	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Data Logger	<input type="text"/>	<input type="text"/>

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

7) Participate in programs that provide residences with school water conservation kits.

Number of Kits Distributed

Kit contents (including model of fixtures)

List of what was actually installed in the homes (number of showerheads, aerators etc.).

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

**8) Implement an automatic meter reading program for residential customers.**

AMR or AMI  Type of Network

Number of connections installed

Is your agency using these to contact high-use connections?

**If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)**

**OTHER Types of Measures.**

Type of Program	Sample/Description	Actions
No data to display		

**If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)**

**Total Measured Water Savings (AF/Year)**

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City of Santa Maria

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**Reporting Year**

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**Water Sources and Usage**

Sources  
Uses

**BMP 1**

Operations Practices  
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Metering with Commodity  
Retail Conservation Pricing

**BMP 2**

Public Outreach  
Public Outreach Cont'd  
School Education

**BMP 3 - Residential**

Traditional  
Flex Track

**BMP 4 - CII**

Traditional  
Flex Track

**BMP 5 - Landscape**

Traditional  
Flex Track

**GPCD**

GPCD

## BMP 3 Residential Traditional

[View MOU](#)

Survey Year 2010

Save All

Residential Assistance / Leak Detection	Single Family				Multi Family			
	Number	Requirement	Percent Compliant	Compliant	Number	Requirement	Percent Compliant	Compliant
# Accounts	6,605				2,231			
# Participants Overall			0%				0%	
# Leak Det Surveys		99	0%		33	0%		
# Showerheads			0%				0%	
# Faucet Aerators			0%				0%	
Landscape Water Survey			0%				0%	

# Other Components

# Description of Other Components Distributed: Water Conservation Kits include: low-flow showerhead; bathroom faucet aerators; kitchen swivel; fill cycle

**High Efficiency Clothes Washers HECW**

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available; if seeking credit for additional water savings, you must fill out Flex Track.)

Number	Requirement	Percent Compliant	Compliant?
Number of incentives for HECWs with an AVERAGE Water Factor of 5.0	NaN	NaN%	0

Financial incentives provided for HECWs that meet an average WF value of 5.0 or less  Yes  No  
 Agency Demonstration Done  Yes  No

HECW Market Penetration Study Documents

Upload Clear Browse...

**WaterSense Specification (WSS) toilets**

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available; if seeking credit for additional water savings, you must fill out Flex Track.)

1. Retrofit on Resale Ordinance is in Place  Yes  No

If Yes, Choose A File

Upload Clear Browse...

2. A 75% Market Saturation Achieved  Yes  No

If Yes, Choose A File

Upload Clear Browse...

3. WSS Toilets Installed

Single Family

Multi Family



	Number	Requirement	Percent Compliant	Compliant?	Number	Requirement	Percent Compliant	Compliant?
Number of WSS Toilets Installed								

Select or Enter Name of Other Components Distributed

Other Program Type Name

**WSS for New Residential Development**

(Agency must complete information for at least one coverage option. You are encouraged to include information on other coverage options, as available; if seeking credit for additional water savings, you must fill out Flex Track.)

Water Regulation In Effect For Single-Family Homes  Yes  No

Water Regulation In Effect For Multi-Family Homes  Yes  No

New Multi-Family development Ordinance/Regulation

Retrofit Done On Resale Ordinance  Yes  No

Number Of New Single-Family Units Built In SA

Number Of New Multi-Family Units Built In SA

**List of Incentive Amounts**

Incentive Type	Incentive amounts	Number of WSS fixtures installed	Actions
No data to display			

Number Of Participating Single-Family Homes

Number Of Participating Multi-Family Homes

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City of Santa Maria

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# Annual Reports

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### Reporting Year

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#### Water Sources and Usage

Sources  
Uses

#### BMP 1

Operations Practices  
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Metering with Commodity  
Retail Conservation Pricing

#### BMP 2

Public Outreach  
Public Outreach Cont'd  
School Education

#### BMP 3 - Residential

Traditional  
Flex Track

#### BMP 4 - CII

Traditional  
Flex Track

#### BMP 5 - Landscape

Traditional  
Flex Track

#### GPCD

GPCD

## BMP 4 CII

[View MOU](#)

Report the measure type and quantity installed, as well as savings attributed to water shortage measures, intervention and actions

Water savings goal based on 10% of the 10 Year Baseline Water Use

[New](#)

CII Traditional Saving			
Measure Type	Quantity Installed	Water Savings	Actions
<input type="text"/>	<input type="text"/>	<input type="text"/>	Update   Cancel
		Total Savings:	0.00

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City of Santa Maria

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**Reporting Year**  
 < 2010 >

**Water Sources and Usage**  
 Sources  
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**BMP 1**  
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 Retail Conservation Pricing

**BMP 2**  
 Public Outreach  
 Public Outreach Cont'd  
 School Education

**BMP 3 - Residential**  
 Traditional  
 Flex Track

**BMP 4 - CII**  
 Traditional  
 Flex Track

**BMP 5 - Landscape**  
 Traditional  
 Flex Track

**GPCD**  
 GPCD

**BMP 5 Landscape**   [View MOU](#)

Save

---

**CII Accounts with Dedicated Irrigation Meters**

Number of dedicated irrigation meter accounts \_\_\_\_\_

Number of dedicated irrigation meter accounts with water budgets \_\_\_\_\_

Aggregate water use for dedicated non-recreational landscape accounts with budgets \_\_\_\_\_

Aggregate acreage assigned water budgets for dedicated non-recreational landscape accounts with budgets \_\_\_\_\_

Aggregate acreage of recreational areas assigned water budgets and average ET for dedicated recreational landscape accounts with budgets \_\_\_\_\_

Preserved water use records and budgets for customers with dedicated landscape irrigation accounts for at least four years    Yes    No

---

**Technical Assistance**

Number of Accounts 20% over-budget \_\_\_\_\_

Number of accounts 20% over-budget offered technical assistance \_\_\_\_\_

Number of accounts 20% over-budget accepting technical assistance \_\_\_\_\_

---

**Irrigation Water Use Surveys for Mixed-use and Un-metered Accounts**

Number of mixed use and un-metered accounts \_\_\_\_\_

Number of irrigation water use surveys offered \_\_\_\_\_

Number of irrigation water use surveys accepted \_\_\_\_\_

Estimated annual water savings by customers receiving irrigation water save surveys and implementing recommendations \_\_\_\_\_

---

**Financial Incentives**

New

Number of incentives	Dollar value of incentives	Incentive Types	Actions
No data to display			

Ⓡ Request for an exemption

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**Appendix L**  
**City of Santa Maria Self-Certification for Compliance**  
**with MOU**

---





**SELF – CERTIFICATION FOR  
COMPLIANCE WITH BEST MANAGEMENT PRACTICES**

In 2004, the City of Santa Maria adopted a Water Conservation Plan and became signatories to the California Urban Water Conservation Council's (CUWCC) MOU. In 2005, the City of Santa Maria began Best Management Practices (BMP) Reporting with CUWCC. In addition, Santa Mara has met AB 1420 requirements with the California Department of Water Resources Division of Water Efficiency, as noted in a letter from the State on November 22, 2010.


Please check one of the boxes and sign and date this form.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the California Urban Water Conservation Council's BMPs, and that these practices are in effect as of this date. The City of Santa Maria qualifies for an exemption due to the lack of cost-effectiveness for BMPs #5, 6, and 14.

---

I understand that the California Department of Water Resources will rely on this signed certification in order to accept the City's 2010 Urban Water Management Plan.

Richard G. Sweet, P.E.  
Name of Authorized Representative  
(Please print)

  
Signature

City of Santa Maria, Director of Utilities  
Title

May 3, 2011  
Date



# Appendix M

## AB 1420 Compliance

---





**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
 SACRAMENTO, CA 94236-0001  
 (916) 653-5791



RECEIVED

NOV 29 2010

Utilities Department

November 22, 2010

Mr. Rick Sweet  
 Director of Utilities  
 City of Santa Maria  
 2065 East Main Street  
 Santa Maria, California 93454

Dear Mr. Sweet:

The Department of Water Resources (DWR) has reviewed the City of Santa Maria's Self-Certification Statement – Tables 1 and 2 submitted on November 3, 2010, regarding implementation of the Urban Best Management Practices (BMPs).

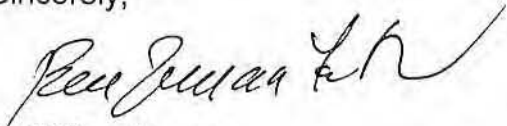
The purpose of DWR's review is to determine eligibility of the City of Santa Maria receive water management grant or loan funds. DWR has followed the *Draft AB 1420 Compliance Requirements* dated June 1, 2009. For detailed information, please visit <http://www.water.ca.gov/wateruseefficiency/finance/>.

Based on DWR's review of the information in Tables 1 and 2, the City of Santa Maria has and is currently implementing the BMPs consistent with AB 1420 and, therefore, is eligible to receive water management grant or loan funds.

DWR reserves the right to request additional information and documentation, including reports from the City of Santa Maria to substantiate the accuracy of the information provided in Tables 1 and 2. DWR may reverse or modify its eligibility determination and notify you and the funding agency if inaccuracies are found in the supporting documentation or in Tables 1 and 2.

If you have any questions, please contact me at (916) 651-7025 or Jodi Evans at (916) 651-7026.

Sincerely,

  
 Fethi BenJemaa  
 Ag Water Use Efficiency Section Chief

Please  
 copy Shannon  
 and Teresa  
 on this

Thanks,  
 Rick



**Appendix N**  
**Tables 1 and 2 of AB 1420**

---



AB 1420 Self-Certification Statement Table 1

Note: Table 1 documents Status of Past and Current BMP implementation.

Self-Certification Statement: The Urban Water Supplier and its authorized representative certifies, under penalty of perjury, that all information and claims, stated in this table, regarding compliance and implementation of the BMPs, including alternative conservation approaches, are true and accurate. This signed AB 1420 Self-Certification Statement Table 1, and Table 2 are the basis for granting funds by the Funding Agency. Falsification and/or inaccuracies in AB 1420 Self Certification Statement Table 1, and Table 2 and in any supporting documents substantiating such claims may, at the discretion of the funding agency, result in loss of all State funds to the applicant. Additionally, the Funding Agency, in its sole discretion, may halt disbursement of grant or loan funds, not pay pending invoices, and/or pursue any other applicable legal remedy and refer the matter to the Attorney General's Office.

Name of Signatory: Rick Sweet Title of Signatory: Director of Utilities Signature of signatory:  Date: November 3, 2010

Application Date:

Proposal Identification Number:  CUWCC Member? Yes/No  YES

Has Urban Water Supplier submitted a 2005 Urban Water Management Plan? Yes/No  YES Is the UWM Plan Deemed Complete by DWR? Yes/No  YES

Applicant Name:

Project Title:

Applicant's Contact Information: Name:  Phone:  E-mail:

Participants:

Retailer (List Below)			Wholesaler (List Below)		
City of Santa Maria Utilities Department					

C1	C2	C3	C4	C5	*C6	C7	**C8	**C9	**C10	C11	C12	C13	C14	C15	C16	C17	C18
BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers / BMP			Compliance Options/Alternative Conservation Approaches (1)			BMP Is Exempt (2)			BMP Implementation Requirements Met					
			Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	CUWCC MOU Requirement Met: Retailer Yes/No	CUWCC MOU Requirement Met: Wholesaler Yes/No	Date of BMP Report Submitted to CUWCC for (2007-2008) (MOU Signatories)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No	
	✓	BMP 1 Water Survey for Single/Multi-Family Residential Customers	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
	✓	BMP 2 Residential Plumbing Retrofit	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
✓	✓	BMP 3 System Water Audits, Leak Detection	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
✓	✓	BMP 3 Leak Repairs	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
	✓	BMP 4 Metering with Commodity Rates for All New connections	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
	✓	BMP 4 Retrofit of Existing Connections	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES

C1	C2	C3	C4	C5	*C6	C7	**C8	**C9	**C10	C11	C12	C13	C14	C15	C16	C17	C18
BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers / BMP			Compliance Options/Alternative Conservation Approaches (1)			BMP Is Exempt (2)			BMP Implementation Requirements Met					
			Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	CUWCC MOU Requirement Met: Retailer Yes/No	CUWCC MOU Requirement Met: Wholesaler Yes/No	Date of BMP Report Submitted to CUWCC for (2007-2008) (MOU Signatories)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No	
	✓	BMP 5 Large Landscape Conservation Programs and Incentives	YES	NO	NO	NO						X	YES	NO	3/19/2009	N/A	YES
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	YES	NO	NO	NO						X	YES	NO	3/19/2009	N/A	YES
✓	✓	BMP 7 Public Information	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
✓	✓	BMP 8 School Education	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
✓		BMP 10 Wholesale Agency Assistance Programs	YES	NO	NO	NO							YES	NO	3/19/2009	N/A	YES
	✓	BMP 11 Conservation Pricing	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
✓	✓	BMP 12 Conservation Coordinator	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
	✓	BMP 13 Water Waste Prohibitions	YES	NO	NO	YES							YES	NO	3/19/2009	N/A	YES
	✓	BMP 14 Residential ULFT Replacement Programs	YES	NO	NO	NO						X	YES	NO	3/19/2009	N/A	YES

\*C6: Wholesaler may also be a retailer (supplying water to end water users)

\*\*C8, \*\*C9, \*\*, and C10: Agencies choosing an alternative conservation approach are responsible for achieving water savings equal or greater than that which they would have achieved using only BMP list.

(1) For details, please see: <http://www.cuwcc.org/mou/exhibit-1-bmp-definitions-schedules-requirements.aspx>.

(2) BMP is exempt based on cost-effectiveness, lack of funding, and lack of legal authority criteria as detailed in the CUWCC MOU

(3) Non MOU signatories must submit to DWR reports and supporting documents in the same format as CUWCC.

Copy of document found at www.NoNewWipTak.com



**Appendix O**  
**Economic Analysis of Selected Demand**  
**Management Measures**

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**Santa Maria Customer Service Area**  
**Table O-1. Assumptions Used for Economic Analysis**

<b>General Assumptions</b>
<p>1. Value of conserved water equal to \$246 per acre foot.            Provided by Santa Maria</p> <p>2. Discount rate to discount costs and benefits of water conservation equal to 6%.            Provided by California Department of Water Resources.</p>

**Table O-1. Assumptions Used for Economic Analysis for BMP 5**

<b>BMP 5 – Large Landscape Conservation Programs and Incentives</b>
<p><b>Assumptions:</b></p> <p>1. Develop Eto-based water use budgets for 90 percent of the CII accounts with dedicated irrigation meters and provide irrigation water use surveys to 15 percent of CII accounts with mixed use meters.            MOU (Page 28)</p> <p>2. Average size of 0.1 acres for CII mixed use accounts and 0.56 acres for CII dedicated irrigation accounts.</p> <p>3. Water use prior to the survey is 4.5 ft per year.            Irrigation allocation is equal to 100 percent of local evapotranspiration (ETo), and the MOU estimates that surveys will reduce water usage by 15 percent. Based on California Irrigation Management Information System data.</p> <p>4. Surveys will reduce water usage by 15%.            MOU, page 30.</p> <p>5. The life span of the large landscape water surveys is four years.            A &amp; N Technical Services report (2003) gives a life span of four years for turf audits (page 2-34). <i>Water surveys for large landscapes are assumed to have a similar life span.</i></p> <p>6. Each survey will cost \$550 per acre. Minimum cost is \$250 per account.            The estimate includes labor, administration, evaluation and overhead.</p>

**Table O-1. Assumptions Used for Economic Analysis for BMP 6**

<b>BMP 6 – High-Efficiency-Washing-Machine Rebate Programs</b>
<p><b>Assumptions:</b></p> <ol style="list-style-type: none"> <li>1. Water savings from a high efficiency washing machine is 3.2 gpd for a residential unit. <i>Provided by Santa Maria</i></li> <li>2. Estimated 10,879 residential units are eligible for replacement. <i>Provided by Santa Maria.</i></li> <li>3. Washing machine replacement requires 2 hours of agency staff time plus \$50 rebate for a total of \$127 per unit. <i>Provided by Santa Maria.</i></li> </ol>

**Table O-1. Assumptions Used for Economic Analysis for BMP 14**

<b>BMP 14 – Residential ULFT Replacement Programs</b>
<p><b>Assumptions:</b></p> <ol style="list-style-type: none"> <li>4. Water savings from ULFTs are 33.9 gpd/unit for single-family residences and 49.3 gpd/unit for multi-family residences <i>MOU, Exhibit 6, Table 1 and Table 2.</i></li> <li>5. Homes constructed after 1991 already have ULFTs. As of January 1992, California legislation requires that ULFTs be installed in all newly constructed homes.</li> <li>6. Natural toilet replacement rate is 4% per year. <i>MOU, page 79.</i></li> <li>7. The cost of toilets, advertising, administration, overhead, and toilet recycling is \$90 per ULFT. The cost does not include installation, which will be covered by the customer. <i>Average based on industry cost data.</i></li> </ol>

**Table O-2. Economic Analysis for BMP 5, Large Landscape Conservation Programs and Incentives**  
Santa Maria Customer Service Area

Calendar Year	Water Saving Calculations						Benefits					Costs				Net Present Value	
	CII Accounts w/Dedicated Irr. Meters Interventions	CII Accounts w/Mixed Use Meters Offered Surveys	CII Accounts w/Mixed Use Meters % Surveyed	CII Accounts w/Mixed Use Meters Interventions	Incremental Water Savings (AF/Yr)	Cumulative Water Savings (AF/Yr)	Avoided Capital Costs	Avoided Variable Costs	Avoided Purchase Costs	Total Undiscounted Benefits	Total Discounted Benefits	Capital Costs	Financial Incentives	Operating Expenses	Total Undiscounted Costs		Total Discounted Costs
2010																	
2011	306	131	4.80%	63	119	119	0	0	29,326	29,326	27,666	0	0	109,458	109,458	103,262	-75,596
2012	306	131	4.80%	63	119	239	0	0	58,652	58,652	52,200	0	0	109,458	109,458	97,417	-45,217
2013	0	131	1.95%	25	2	240	0	0	59,074	59,074	49,600	0	0	6,367	6,367	5,346	44,254
2014	0	131	1.95%	25	2	242	0	0	59,497	59,497	47,127	0	0	6,367	6,367	5,043	42,084
2015	0	131	0.75%	10	1	123	0	0	30,333	30,333	22,667	0	0	2,449	2,449	1,830	20,837
2016	0	131	0.75%	10	1	5	0	0	1,170	1,170	825	0	0	2,449	2,449	1,726	-902
2017	0	131	0.00%	0	0	3	0	0	747	747	497	0	0	0	0	0	497
2018	0	131	0.00%	0	0	1	0	0	325	325	204	0	0	0	0	0	204
2019	0	131	0.00%	0	0	1	0	0	162	162	96	0	0	0	0	0	96
2020	0	131	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	612	1,306		196	243	974	\$0	\$0	\$239,287	\$239,287	\$200,882	\$0	\$0	\$236,547	\$236,547	\$214,624	-\$13,743
												Value of Conserved Water (\$/AF) =	\$246			Benefit Cost Ratio:	0.94
												Discount Rate (Real) =	6.00%			Simple Pay-Back Period (years):	21.4
												Acres/CII accounts with dedicated irrigation meters =	0.56			Discounted Cost / Water Saved (\$/AF):	\$220
												Acres/CII accounts with mixed use meters =	0.10			NPV / Water Saved (\$/AF):	-\$14
												Annual water use (ac-ft/acre) =	4.5				
												Water Savings =	15%				
												Conservation Measure Unit Cost (\$/Acre) =	\$550				
												Minimum Conservation Measure Unit Cost (\$/Account) =	\$250				
												Number of CII accounts with dedicated irrigation meters in 2010 =	680				
												Number of CII accounts with mixed use meters in 2010 =	1,306				
												Lifespan of Benefit (Years) =	4				

**Table O-2. Economic Analysis for BMP 6, High-Efficiency-Washing-Machine Rebate Programs**

Santa Maria Customer Service Area

Calendar Year	Water Savings			Benefits (\$)					Costs (\$)					Net Present Value
	No. of Washing Machines to be Replaced	Incremental Total Water Savings (AF/Yr)	Cumulative Total Water Savings (AF/Yr)	Avoided Capital Costs	Avoided Variable Costs	Avoided Purchase Costs	Total Undiscounted Benefits	Total Discounted Benefits	Capital Costs	Financial Incentives	Operating Expenses	Total Undiscounted Costs	Total Discounted Costs	
2010														
2011	544	2	2	0	0	480	480	453	0	0	69,277	69,277	65,356	-64,903
2012	544	2	4	0	0	960	960	854	0	0	69,277	69,277	61,657	-60,802
2013	544	2	6	0	0	1,440	1,440	1,209	0	0	69,277	69,277	58,167	-56,958
2014	544	2	8	0	0	1,920	1,920	1,521	0	0	69,277	69,277	54,874	-53,353
2015	544	2	10	0	0	2,400	2,400	1,793	0	0	69,277	69,277	51,768	-49,975
2016	544	2	12	0	0	2,880	2,880	2,030	0	0	69,277	69,277	48,838	-46,808
2017	544	2	14	0	0	3,360	3,360	2,235	0	0	69,277	69,277	46,073	-43,839
2018	544	2	16	0	0	3,840	3,840	2,409	0	0	69,277	69,277	43,466	-41,056
2019	544	2	18	0	0	4,320	4,320	2,557	0	0	69,277	69,277	41,005	-38,448
2020	544	2	20	0	0	4,800	4,800	2,680	0	0	69,277	69,277	38,684	-36,004
2021	0	0	20	0	0	4,800	4,800	2,529	0	0	0	0	0	2,529
2022	0	0	20	0	0	4,800	4,800	2,385	0	0	0	0	0	2,385
2023	0	0	20	0	0	4,800	4,800	2,250	0	0	0	0	0	2,250
2024	0	0	20	0	0	4,800	4,800	2,123	0	0	0	0	0	2,123
2025	0	0	20	0	0	4,800	4,800	2,003	0	0	0	0	0	2,003
2026	0	0	20	0	0	4,800	4,800	1,890	0	0	0	0	0	1,890
2027	0	0	20	0	0	4,800	4,800	1,783	0	0	0	0	0	1,783
2028	0	0	20	0	0	4,800	4,800	1,682	0	0	0	0	0	1,682
2029	0	0	20	0	0	4,800	4,800	1,586	0	0	0	0	0	1,586
2030	0	0	20	0	0	4,800	4,800	1,497	0	0	0	0	0	1,497
Totals	5,440	20	303	\$0	\$0	\$74,401	\$74,401	\$37,470	\$0	\$0	\$692,775	\$692,775	\$509,888	\$472,418
Value of conserved water (\$/AF) =								245.75	Benefit cost ratio =					0.07
Discount rate (real) =								6.00%	Simple pay-back period (years) =					272
Water savings due to washing machine replacement at SF homes (gallons/day)=								3.2	Discounted cost/water saved (\$acre-feet) =					\$1,684
Number of washing machines per SF home =								1.0	NPV/ water saved (acre-feet) =					-\$1,560
Cost of conservation measure =								\$127						
Potential residential units to replace (2010) (Source: Santa Maria)								10,879						

**Table O-2. Economic Analysis for BMP 14, Residential ULFT Replacement Programs**

Santa Maria Customer Service Area

Calendar Year	Water Savings						Benefits (\$)					Costs (\$)				Net Present Value					
	No. of SF Toilets Required to be Replaced	Incremental Water Savings SF (AF/yr)	No. of MF Toilets Required to be Replaced	Incremental Water Savings (AF/yr)	Incremental Total Water Savings (AF/Yr)	Cumulative Total Water Savings (AF/Yr)	Avoided Capital Costs	Avoided Variable Costs	Avoided Purchase Costs	Total Undiscounted Benefits	Total Discounted Benefits	Capital Costs	Financial Incentives	Operating Expenses	Total Undiscounted Costs		Total Discounted Costs				
2010																					
2011	845	20	490	20	40	40	0	0	9,908	9,908	9,348	0	0	119,785	119,785	113,004	-103,657				
2012	845	20	297	12	32	73	0	0	17,856	17,856	15,892	0	0	102,469	102,469	91,197	-75,305				
2013	845	20	0	0	20	93	0	0	22,785	22,785	19,130	0	0	75,813	75,813	63,654	-44,524				
2014	845	20	0	0	20	113	0	0	27,713	27,713	21,952	0	0	75,813	75,813	60,051	-38,099				
2015	845	20	0	0	20	133	0	0	32,642	32,642	24,392	0	0	75,813	75,813	56,652	-32,260				
2016	845	20	0	0	20	153	0	0	37,571	37,571	26,486	0	2	75,813	75,815	53,447	-26,961				
2017	845	20	0	0	20	173	0	0	42,499	42,499	28,265	0	2	75,813	75,815	50,421	-22,157				
2018	845	20	0	0	20	193	0	0	47,428	47,428	29,757	0	2	75,813	75,815	47,567	-17,810				
2019	845	20	0	0	20	213	0	0	52,357	52,357	30,990	0	2	75,813	75,815	44,875	-13,885				
2020	845	20	0	0	20	233	0	0	57,286	57,286	31,988	0	2	75,813	75,815	42,335	-10,347				
2021	845	20	0	0	20	253	0	0	62,214	62,214	32,774	0	2	75,813	75,815	39,938	-7,165				
2022	845	20	0	0	20	273	0	0	67,143	67,143	33,368	0	2	75,813	75,815	37,678	-4,310				
2023	845	20	0	0	20	293	0	0	72,072	72,072	33,790	0	2	75,813	75,815	35,545	-1,755				
2024	845	20	0	0	20	313	0	0	77,000	77,000	34,057	0	2	75,813	75,815	33,533	524				
2025	845	20	0	0	20	333	0	0	81,929	81,929	34,186	0	2	75,813	75,815	31,635	2,551				
2026	845	20	0	0	20	353	0	0	86,858	86,858	34,191	0	2	75,813	75,815	29,844	4,347				
2027	845	20	0	0	20	373	0	0	91,787	91,787	34,086	0	2	75,813	75,815	28,155	5,931				
2028	845	20	0	0	20	394	0	0	96,715	96,715	33,884	0	2	75,813	75,815	26,561	7,322				
2029	845	20	0	0	20	414	0	0	101,644	101,644	33,595	0	2	75,813	75,815	25,058	8,537				
2030	845	20	0	0	20	434	0	0	106,573	106,573	33,230	0	2	75,813	75,815	23,640	9,590				
Totals	16,900	401	787	33	434	4,850	\$0	\$0	\$1,191,981	\$1,191,981	\$575,360	\$0	32	\$1,586,888	\$1,586,920	\$934,791	-\$359,431				
										Value of conserved water (\$/AF) =	245.75						Benefit cost ratio =	0.62			
										Discount rate (real) =	6.00%						Simple pay-back period (years) =	32			
										Natural toilet replacement rate =	4%						Discounted cost/water saved (\$acre-feet) =	\$2,156			
										Annual single-family housing turnover rate =	10.5%						NPV/ water saved (acre-feet) =	-\$829			
										Annual multi-family housing turnover rate =	3.5%										
										Water savings due to toilet replacement at SF homes (gal/dwelling unit/day) =	33.9										
										Water savings due to toilet replacement at MF homes (gal/dwelling unit/day) =	44.3										
										Number of toilets per SF home =	1.6										
										Number of toilets per MF home =	1.2										
										Cost of conservation measure =	\$90										
										2010 single-family units =	18,436										
										2010 multi-family units =	787										

**Table O-3. Definitions of Terms Used in the Economic Analysis**

<b>Term</b>	<b>Definition</b>	<b>Comments</b>
<b>Benefits:</b>		
Avoided Capital Costs	Capital costs that are avoided by implementing the BMP	Example is the cost of a well that would not have to be installed due to implementation of the BMP.
Avoided Variable Costs	Variable costs that are avoided by implementing the BMP.	Example is the cost of electricity that would be saved if the BMP were implemented.
Avoided Purchase Costs	Purchase costs that are avoided by implementing the BMP.	Example is the cost of purchasing water that would not be required due to implementation of the BMP.
Total Undiscounted Benefits	The sum of avoided capital, variable, and purchase costs.	
Total Discounted Benefits	The present value of the sum of avoided capital, variable, and purchase costs.	The discount rate is used to calculate the present value of avoided costs.
<b>Costs:</b>		
Capital Costs	Capital costs incurred by implementing the BMP.	
Financial Incentives	Financial incentives paid to customers.	Example is the rebate for purchasing low-flow plumbing devices.
Operating Expenses	Operating expenses incurred implementing the BMP.	Example is the administrative cost of conducting surveys.
Total Undiscounted Costs	The sum of capital, financial incentives and operating expenses.	
Total Discounted Costs	The present value of the sum of capital, financial incentives and operating expenses.	The discount rate is used to calculate the present value of incurred costs.
<b>Results:</b>		
Net Present Value	Total discounted benefits minus total discounted costs.	A value greater than zero indicates an economically justifiable BMP.
Benefit/Cost Ratio	The sum of the total discounted benefits divided by the sum of the total discounted costs.	A ratio greater than one indicates an economically justifiable BMP.
Simple Pay-Back Period	The sum of the total discounted costs divided by the average annual total discounted benefits.	Indicates the number of years required for the benefits to pay back the costs of the BMP.
Discounted Cost/Water Saved	The sum of the total discounted costs divided by the total acre-feet of water saved over the study period.	Indicates the present-value cost to save one acre-foot of water. A low value is considered economically attractive.
Net Present Value/Water Saved	The sum of the net present value divided by the total acre-feet of water saved over the study period.	Indicates the net value of saving one acre-foot of water. A high value is considered economically attractive.