

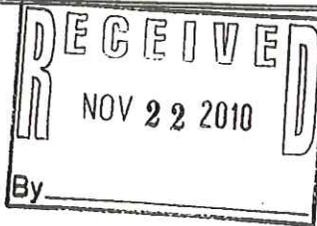
Appendix E

Demand Management Measures

Water Suppliers' AB1420 Compliance

DEPARTMENT OF WATER RESOURCES

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



November 9, 2010

Mr. Dirk Marks, Water Resources Manager
Castaic Lake Water Agency
27234 Bouquet Canyon Road
Santa Clarita, California 91350-2173

Dear Mr. Marks:

The Department of Water Resources (DWR) has reviewed the Castaic Lake Water Agency's (CLWA) Self-Certification Statement – Table 1 dated October 26, 2010, regarding implementation of the Urban Best Management Practices (BMPs).

The purpose of DWR's review is to determine eligibility of CLWA to 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 Table 1, CLWA 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 CLWA to substantiate the accuracy of the information provided in Table 1. 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 Table 1.

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

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															
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs															
✓	✓	BMP 7 Public Information		Yes		✓								Yes			Yes
✓	✓	BMP 8 School Education		Yes		✓								Yes			Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts															
✓		BMP 10 Wholesale Agency Assistance Programs		Yes		✓								Yes			Yes
	✓	BMP 11 Conservation Pricing															
✓	✓	BMP 12 Conservation Coordinator		Yes		✓								Yes			Yes
	✓	BMP 13 Water Waste Prohibitions															
	✓	BMP 14 Residential ULFT Replacement Programs															

*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.

DEPARTMENT OF WATER RESOURCES

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



RECEIVED
JAN 31 2011
NCWD

January 26, 2011

Mr. Stephen L. Cole
General Manager
Newhall County Water Agency
Post Office Box 220970
Santa Clarita, California 91322-0970

Dear Mr. Cole:

The Department of Water Resources (DWR) has reviewed the Newhall County Water Agency's (NCWA) Self-Certification Statement – Tables 1 and 2 submitted on January 18, 2011, regarding implementation of the Urban Best Management Practices (BMPs).

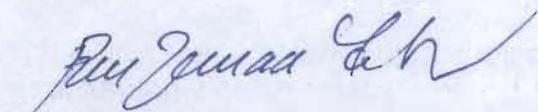
The purpose of DWR's review is to determine eligibility of the NCWA to receive water management grant or loan funds. DWR has followed the *Draft AB 1420 Compliance Requirements* dated June 1, 2009. For detailed information, please visit <http://www.water.ca.gov/wateruseefficiency/finance/>.

Based on DWR's review of the information in Tables 1 and 2, the NCWA 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 NCWA 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.

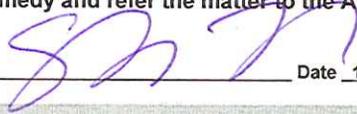
Sincerely,


Fethi BenJemaa
Ag Water Use Efficiency Section Chief

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 Stephen L Cole Title of Signatory General Manager Signature of signatory  Date 11/23/10

Application Date: 11/23/2010

Proposal Identification Number: CUVCC 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 Submitting 2010

Applicant Name: Newhall County Water District

Project Title: Santa Clara River Sewer Trunk Line Relocation "Phase 1"

Applicant's Contact Information: Name: Michael Alvord Phone: 661-259-3610 E-mail: malvord@ncwd.org

Participants:

Retailer (List Below)			Wholesaler (List Below)		
Newhall County Water District			Castaic Lake Water Agency		

C1 C2 C3 C4 C5 *C6 C7 **C8 **C9 **C10 C11 C12 C13 C14 C15 C16 C17 C18

BMPs required for Wholesaler 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	✓					✓					No		12/30/2008		Yes
	✓	BMP 2 Residential Plumbing Retrofit	✓					✓					No		12/30/2008		Yes
✓	✓	BMP 3 System Water Audits, Leak Detection	✓	✓			✓						Yes	Yes	12/30/2008		Yes
✓	✓	BMP 3 Leak Repairs	✓	✓			✓						Yes	Yes	12/30/2008		Yes
	✓	BMP 4 Metering with Commodity Rates for All New connections	✓				✓						Yes		12/30/2008		Yes
	✓	BMP 4 Retrofit of Existing Connections	✓				✓						Yes		12/30/2008		Yes

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		12/30/2008		Yes
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	✓					✓					No		12/30/2008		Yes
✓	✓	BMP 7 Public Information	✓	✓		✓							Yes	Yes	12/30/2008		Yes
✓	✓	BMP 8 School Education	✓	✓		✓							Yes	Yes	12/30/2008		Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	✓	✓		✓							Yes		12/30/2008		Yes
✓		BMP 10 Wholesale Agency Assistance Programs		✓		✓								Yes	12/30/2008		Yes
	✓	BMP 11 Conservation Pricing	✓										Yes		12/30/2008		Yes
✓	✓	BMP 12 Conservation Coordinator	✓	✓		✓							Yes	Yes	12/30/2008		Yes
	✓	BMP 13 Water Waste Prohibitions	✓			✓							Yes		12/30/2008		Yes
	✓	BMP 14 Residential ULFT Replacement Programs	✓	✓		✓							Yes		12/30/2008		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.

AB 1420 Self- Certification Statement Table 2

Provide Schedule, Budget, and Finance Plan to Demonstrate Commitment to Implement All BMP's to Become in Compliance with BMP Implementation - Commencing Within 1st Year of Agreement for Which Applicant Receives Funds.

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 Stephen L Cole Title of Signatory General Manager Signature of signatory  Date 11/23/10

Application Date: 11/23/2010

Proposal Identification Number: CUVCC Member? Yes/No

Applicant Name: Newhall County Water District Is the UWM Plan Deemed Complete by DWR? Yes/No

Project Title: Santa Clara River Sewer Trunk Line Relocation "Phase 1"

Applicant's Contact Information: Name Michael Alvord

Retailer (List Below)			
Participants:	Newhall County Water District		

C1 C2 C3 C4 C5 *C6 C7 C8 **C9 **C10 **C11 C12 C13 C14 C15 C16 C17 C18 C19

CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers			Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)		Implementation Scheduled to Commence within 1st Year of Agreement							
				Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	Alternative Conservation Approaches Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No
1. Utility Operations Programs																			
1.11			BMP 12 Conservation Coordinator																
1.12			BMP 13 Water Waste Prohibitions																
1.13			BMP 10 Wholesale Agency Assistance Programs																
1.20			BMP 3 System Water Audits, Leak Detection/Repair																
1.30			BMP 4 Metering with Commodity Rates for All New/Retrofit of Existing connections																
1.40			BMP 11 Conservation Pricing																
2. Educational Programs																			
2.10			BMP 7 Public Information																
2.20			BMP 8 School Education																
3. Residential																			
3.11		✓	BMP 1 Indoor Water Survey for Single/Multi-Family Residential Customers	Yes	No		Yes		✓					Jul-11	90%	Jun-13	\$2,500.00	Water Rates	Yes
3.12		✓	BMP 1 Outdoor Water Survey for Single/Multi-Family Residential Customers	Yes	No		Yes		✓					Jul-11	90%	Jun-13	\$2,500.00	Water Rates	Yes
3.20		✓	BMP 2 Residential Plumbing Retrofit	Yes	No		Yes		✓					Jul-11	50%	Jun-15	\$6,000.00	Water Rates	Yes

CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers			Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)			Implementation Scheduled to Commence within 1st Year of Agreement							
				Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	Alternative Conservation Approaches Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No	Funds Requested, if Available. (See AB 1420 Compliance Table 3) Yes/No
3.30		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	Yes	No		Yes		✓					Jul-11	0%	Jun-17	\$18,000.00	Water Rates	Yes	
3.40			BMP 14 Residential ULFT Replacement Programs																	
4. Commercial, Industrial, Institutional																				
4.00			BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CI) Accounts																	
5. Landscape																				
5.00			BMP 5 Large Landscape Conservation Programs and Incentives																	

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

**C9, ** C10, and **C11: 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, or lack of legal authority, as detailed in the CUWCC MOU.

DEPARTMENT OF WATER RESOURCES

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



January 26, 2011

Mr. Matthew Dickens
Resource Conservation Manager
Valencia Water Company
Post Office Box 5904
24631 Avenue Rockefeller
Valencia, California 91380

Dear Mr. Dickens:

The Department of Water Resources (DWR) has reviewed the Valencia Water Company's (VWC) Self-Certification Statement – Table 1 submitted on January 13, 2011, regarding implementation of the Urban Best Management Practices (BMPs).

The purpose of DWR's review is to determine eligibility of the VWC to 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 Table 1, the VWC 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 VWC to substantiate the accuracy of the information provided in Table 1. 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 Table 1.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Fethi BenJemaa".

Fethi BenJemaa
Ag Water Use Efficiency Section Chief

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 Matthew S. Dickens Title of Signatory Resource Conservation Manager Signature of signatory  Date 12/21/2010

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)
Valencia Water Company	Castaic Lake Water Agency

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				X							Yes		3/30/2009		Yes
	✓	BMP 2 Residential Plumbing Retrofit	Yes				X							Yes		3/30/2009		Yes
✓	✓	BMP 3 System Water Audits, Leak Detection	Yes				X							Yes		3/30/2009		Yes
✓	✓	BMP 3 Leak Repairs	Yes				X							Yes		3/30/2009		Yes
	✓	BMP 4 Metering with Commodity Rates for All New connections	Yes				X							Yes		3/30/2009		Yes
	✓	BMP 4 Retrofit of Existing Connections	Yes				X							Yes		3/30/2009		Yes

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			X							Yes		3/30/2009		Yes
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	Yes			X							No		3/30/2009		Yes
✓	✓	BMP 7 Public Information	Yes			X							Yes		3/30/2009		Yes
✓	✓	BMP 8 School Education	Yes			X							Yes		3/30/2009		Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	Yes			X							Yes		3/30/2009		Yes
✓		BMP 10 Wholesale Agency Assistance Programs	NA			NA							NA		NA		NA
	✓	BMP 11 Conservation Pricing	Yes			X							Yes		3/30/2009		Yes
✓	✓	BMP 12 Conservation Coordinator	Yes			X							Yes		3/30/2009		Yes
	✓	BMP 13 Water Waste Prohibitions	Yes			X							Yes		3/30/2009		Yes
	✓	BMP 14 Residential ULFT Replacement Programs	Yes			X							Yes		3/30/2009		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>.

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

CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers			Alternative Conservation Approaches Yes/No	Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)			Implementation Scheduled to Commence within 1st Year of Agreement						
				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	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No	Funds Requested, if Available. (See AB 1420 Compliance Table 3) Yes/No
3.30		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	Yes				X				X								
3.40		✓	BMP 14 Residential ULFT Replacement Programs	Yes				X												
4. Commercial, Industrial, Institutional																				
4.00		✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CI) Accounts	Yes				X												
5. Landscape																				
5.00		✓	BMP 5 Large Landscape Conservation Programs and Incentives	Yes				X												

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

**C9, ** C10, and **C11: 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.

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DEPARTMENT OF WATER RESOURCES

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



March 16, 2011

Ms. Cathy Z. Hollomon
Associate Water Resources Planner
Santa Clarita Water District
Post Office Box 903
Santa Clarita, California 91380-9003

Dear Ms. Hollomon:

The Department of Water Resources (DWR) has reviewed the Santa Clarita Water District's (SCWD) Self-Certification Statement – Tables 1 and 2 submitted on February 15, 2011, regarding implementation of the Urban Best Management Practices (BMPs).

The purpose of DWR's review is to determine eligibility of SCWD to 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, SCWD 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 SCWD 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,

A handwritten signature in blue ink, appearing to read "Fethi BenJemaa".

Fethi BenJemaa
Ag Water Use Efficiency Section Chief

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 Cathy Z. Hollomon Title of Signatory Associate Water resources Planner Signature of signatory _____ Date _____

Application Date:

Proposal Identification Number: CUVCC Member? Yes/No

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

Applicant Name:

Project Title:

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

Retailer (List Below)						Wholesaler (List Below)					
Santa Clarita water Division											

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	✓					✓					No		3/2/2008		Yes
	✓	BMP 2 Residential Plumbing Retrofit	✓				✓						No		3/2/2008		Yes
✓	✓	BMP 3 System Water Audits, Leak Detection	✓				✓						Yes		3/2/2008		Yes
✓	✓	BMP 3 Leak Repairs	✓				✓						Yes		3/2/2008		Yes
	✓	BMP 4 Metering with Commodity Rates for All New connections	✓				✓						Yes		3/2/2008		Yes
	✓	BMP 4 Retrofit of Existing Connections	✓				✓						Yes		3/2/2008		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	✓		✓	✓							No		3/2/2008		Yes
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	✓			✓							No		3/2/2008		Yes
✓	✓	BMP 7 Public Information	✓		✓	✓							Yes		3/2/2008		Yes
✓	✓	BMP 8 School Education	✓		✓	✓							Yes		3/2/2008		Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	✓			✓							No		3/2/2008		Yes
✓		BMP 10 Wholesale Agency Assistance Programs											NA				Yes
	✓	BMP 11 Conservation Pricing	✓			✓							Yes		3/2/2008		Yes
✓	✓	BMP 12 Conservation Coordinator	✓			✓							Yes		3/2/2008		Yes
	✓	BMP 13 Water Waste Prohibitions	✓			✓							Yes		3/2/2008		Yes
	✓	BMP 14 Residential ULFT Replacement Programs	✓		✓	✓							No		3/2/2008		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.

AB 1420 Self- Certification Statement Table 2

Provide Schedule, Budget, and Finance Plan to Demonstrate Commitment to Implement All BMP's to Become in Compliance with BMP Implementation - Commencing Within 1st Year of Agreement for Which Applicant Receives Funds.

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 Cathy Z. Hollomon Title of Signatory Associate Water Resources Planner Signature of signatory _____ Date _____

Application Date:

Proposal Identification Number: CUWCC Member? Yes/No

Applicant Name: Is the UWM Plan Deemed Complete by DWR? Yes/No

Project Title:

Applicant's Contact Information: Name

Participants:			
Retailer (List Below)			

C1 C2 C3 C4 C5 *C6 C7 C8 **C9 **C10 **C11 C12 C13 C14 C15 C16 C17 C18 C19

CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers		Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)			Implementation Scheduled to Commence within 1st Year of Agreement								
				Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	Alternative Conservation Approaches Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No	Funds Requested, if Available. (See AB 1420 Compliance Table 3) Yes/No
1. Utility Operations Programs																				
1.11	✓	✓	BMP 12 Conservation Coordinator																	
1.12		✓	BMP 13 Water Waste Prohibitions																	
1.13	✓	✓	BMP 10 Wholesale Agency Assistance Programs																	
1.20	✓	✓	BMP 3 System Water Audits, Leak Detection/Repair																	
1.30		✓	BMP 4 Metering with Commodity Rates for All New/Retrofit of Existing connections																	
1.40		✓	BMP 11 Conservation Pricing																	
2. Educational Programs																				
2.10	✓	✓	BMP 7 Public Information																	
2.20	✓	✓	BMP 8 School Education																	
3. Residential																				
3.11		✓	BMP 1 Indoor Water Survey for Single/Multi-Family Residential Customers								✓				Jul-08	30	Jun-15	program to be combined with BMP 5 - large landscape Conservation, which focuses on HOA properties water rates	Yes	

CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers			Alternative Conservation Approaches Yes/No	Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)			Implementation Scheduled to Commence within 1st Year of Agreement						
				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	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No	Funds Requested, if Available. (See AB 1420 Compliance Table 3) Yes/No
3.12			BMP 1 Outdoor Water Survey for Single/Multi-Family Residential Customers											Jul-09	30	Jun-15	program to be combined with BMP 5 - large landscape Conservation, which focuses on HOA properties	water rates	Yes	
3.20		✓	BMP 2 Residential Plumbing Retrofit				✓							Jun-08	80	Jun-13	\$4,000	water rates	Yes	
3.30		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs				✓							Jul-11	0	Jun-20	\$37,500	water rates	Yes	
3.40		✓	BMP 14 Residential ULFT Replacement Programs				✓							Jun-07	40	Jun-15	\$20,000	water rates	Yes	
4. Commercial, Industrial, Institutional																				
4.00		✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts				✓							Jun-09	20	Jun-15	\$30,000	water rates	Yes	
5. Landscape																				
5.00		✓	BMP 5 Large Landscape Conservation Programs and Incentives				✓							Jun-09	20	Jun-15	\$100,000	water rates	Yes	

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

**C9, ** C10, and **C11: 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, or lack of legal authority, as detailed in the CUWCC MOU.

CLWA DMM Materials



CUWCC BMP COVERAGE REPORT FOR WHOLESALER AGENCIES

Foundation Best Management Practices for Urban Water Efficiency

Agency: **Castaic Lake Water Agency** District Name: **Castaic Lake Water Agency** CUWCC Unit #: **6278**

Primary Contact **Stephanie Anagnoson**

Email: **sanagnoson@clwa.org**

Base Year: Calendar or Fiscal Year Reporting

Report Date: **27-May-11**

Foundational BMPs

BMP 1.1.3 Wholesale Agency Assistance Programs

Date of 2009 Data Download

Date of 2010 Data Download

a) Financial investments and building partnerships Value of resources provided to retailers for: 2009	2009 Monetary Amount for Financial Incentives	2009 Monetary Amount for Equivalent Resources
BMP 2.1 Public Outreach	\$ 81,000	\$ 200,700
BMP 2.2 Education	\$ 100,000	\$ 266,373
BMPs 3, 4, 5 (not designated by BMP)	\$ 43,975	\$ 133,773
Total Value of Resources	\$ 224,975	\$ 600,846
	On Track	On Track

a) Financial investments and building partnerships Value of resources provided to retailers for: 2010	2010 Monetary Amount for Financial Incentives	2010 Monetary Amount for Equivalent Resources
BMP 2.1 Public Outreach	\$ 89,000	\$ 264,200
BMP 2.2 Education	\$ 108,000	\$ 244,195
BMPs 3, 4, 5 (not designated by BMP)	\$ 127,645	\$ 671,593
Total Value of Resources	\$ 324,645	\$ 1,179,988
	On Track	On Track

"On Track" if Retailer accepted offer and Wholesaler provided resources. "Not on Track" if Retailer accepted offer and Wholesaler did not provide resources.

Agency: **Castaic Lake Water Agency**

District Name: **Castaic Lake Water Agency**

CUWCC Unit #: **6278**

	2009 Technical Support Description	2010 Technical Support Description	
b) Technical Support	Provide conservation coordinator services; fund and prepare Urban Water Management Plan and other planning documents; conduct Valley-wide public outreach for conservation.	Provide conservation coordinator services; fund and prepare Urban Water Management Plan and other planning documents; conduct Valley-wide public outreach for conservation; manage residential high-efficiency toilet rebate program, residential landscape program (with weather-based irrigation incentive), commercial, industrial and institutional program and large landscape audit program.	" On Track" if Retailer accepted and Wholesaler provided and described Technical Support
	On Track	On Track	

	2009	2010	
c) Retail Agency	Programs Managed for Retailers	Programs Managed for Retailers	
	[Redacted]	[Redacted]	" On Track" if Retailer accepted and Wholesaler provided and lists programs managed for retailers

	2009	2010	
d) Water Shortage Allocation			
Has Water shortage plan or policy been adopted?	November 9, 2005 2005UWMPCh8WaterShortage	November 9, 2005 2005UWMPCh8WaterShortage	"OnTrack" if plan /policy adopted and document provided. "Not on Track" if no water shortage plan or policy adopted or document not provided.
	On Track	On Track	

e) Non signatory Reporting of BMP implementation by non-signatory agencies	n/a	n/a	Report if possible
--	-----	-----	--------------------

	2009	2010	
f) Encourage CUWCC Membership			
List Efforts to recruit retailers	List Efforts to recruit retailers Santa Clarita Water Division has been encouraged to join during conservation coordinator meetings.	List Efforts to recruit retailers Santa Clarita Water Division has been encouraged to join during conservation coordinator meetings.	"On Track" if efforts listed or dues paid.
	On Track	On Track	

Agency: **Castaic Lake Water Agency**

District Name: **Castaic Lake Water Agency**

CUWCC Unit #: **6278**

BMP 1.2 Water Loss Control

Date of 2009 Data Submittal: #N/A

Date of 2010 Data Submittal: June 1, 2011

	2009
Complete a prescreening Audit	Yes
Metered Sales AF	37,820
Verifiable Other Uses AF	37,820
Total Supply AF	39,051
(Metered Sales + System uses)/ Total Supply >0.89	1.94
If ratio is less than 0.9, complete a full scale Audit in 2009?	Yes
Verify Data with Records on File?	Yes
Operate a system Leak Detection Program?	Yes

On Track if Yes
 Metered sales to retail agencies
 Into wholesale system
 On Track if =>.89, Not on Track if No
 On Track if Yes
 On Track if Yes
 On Track if Yes

Comments **On Track**

For wholesalers AWWA methodology applies to supplies to wholesalers, sales to retail agencies or sub wholesalers, and pipelines operated by wholesalers. End use retail customers are not considered in this

	2010														
Compile Standard Water Audit using AWWA Software?	Yes														
AWWA file provided to CUWCC?	Yes														
AWWA Water Audit Validity Score?	77														
Completed Training in AWWA Audit Method?	no														
Completed Training in Component Analysis Process?	No														
Complete Component Analysis?	no														
Repaired all leaks and breaks to the extent cost effective?	Yes														
Locate and repair unreported leaks to the extent cost effective.	Yes														
Maintain a record-keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.															
Provided 7 types of Water Loss Control Info															
<table border="1"> <thead> <tr> <th>Leaks Repaire</th> <th>Value Real Losses</th> <th>Value Apparent Losses</th> <th>Miles Surveyed</th> <th>Press Reduction</th> <th>Cost Interventions</th> <th>Water Lost from Leaks AF</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>\$ 560,689</td> <td>\$ 152,318</td> <td>0</td> <td>No</td> <td>\$ -</td> <td>no data</td> </tr> </tbody> </table>	Leaks Repaire	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Interventions	Water Lost from Leaks AF	0	\$ 560,689	\$ 152,318	0	No	\$ -	no data	
Leaks Repaire	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Interventions	Water Lost from Leaks AF									
0	\$ 560,689	\$ 152,318	0	No	\$ -	no data									

On Track if Yes, Not on Track if No
 On Track if Yes, Not on Track if No
 Info only until 2012
 Info only until 2012
 Info only until 2012
 Info only until 2012
 On Track if Yes, Not on Track if No
 On Track if Yes, Not on Track if No
 Info only until 2012
 info only until 2012

On Track

Agency: **Castaic Lake Water Agency**

District Name: **Castaic Lake Water Agency**

CUWCC Unit #: **6278**

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

Date of 2009 Data Submittal: **June 1, 2011**
Date of 2010 Data Submittal: **June 1, 2011**

	2009	2010
Exemption requested?	No	No
At least as Effective As Requested?	No	No
Does Agency have Unmetered Deliveries to Retail Agencies or Other Wholesalers?	No	No
Metered Accounts billed by volume of use	Yes	Yes
Completed a written plan, policy or program to test, repair and replace meters	No	No
	On Track	On Track

Volumetric billing required for all connections on same schedule as metering

info only until 2012

Agency: **Castaic Lake Water Agency**
 WHOLESALE Water Supplier

District Name: **Castaic Lake Water Agency**

CUWCC Unit #: **6278**

Coverage Report Date: **May 19, 2011**

Primary Contact: **Stephanie Anagnoson**

Email: **sanagnoson@clwa.org**

BMP 2. EDUCATION PROGRAMS

date 2009 datafile downloaded: **June 1, 2011**

BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

date 2010 datafile downloaded:

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

	2009	2010
1) Contacts with the public (minimum = 4 times per year)	134	129
2) Water supplier contacts with media (minimum = 4 times per year, i.e., at least quarterly).	219	50
3) An actively maintained website that is updated regularly (minimum = 4 times per year, i.e., at least quarterly).	Yes	Yes
4) Description of materials used to meet minimum requirement.	Website General water conservation information Email Messages Newsletter articles on conservation Articles or stories resulting from outreach Editorial board visits News releases Radio contacts	Newsletter articles on conservation Website General water conservation information Email Messages Landscape water conservation media campaign Articles or stories resulting from outreach Editorial board visits Radio and TV contacts
5) Annual budget for public outreach program.	\$ 378,747	\$ 1,063,235
6) Description of all other outreach programs	n/a	watering index (updated weekly) 3 Easy Tips (water conservation social marketing campaign) (updated throughout the summer) Water Conservation Tips (updated weekly) CII Water Conservation (updated throughout year)
	On Track for 5 Actions	On Track for 5 Actions

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

Agency: **Castaic Lake Water Agency**
 WHOLESale Water Supplier

District Name: **Castaic Lake Water Agency**

CUWCC Unit #: **6278**

Coverage Report Date: **May 19, 2011**

2.2 School Education Programs Implemented and Reported to CUWCC

date 2009 datafile downloaded: June 1, 2011
 date 2010 datafile downloaded: June 1, 2011

	2009	2010
Does this wholesale agency implement School Education Programs for Sub Wholesalers or Retail utility's benefit?	Yes	Yes
Names of Sub Wholesale and Retail Agencies benefiting from Program?	Newhall County Water District, Santa Clarita Water Division, Valencia Water Company	Newhall County Water District, Santa Clarita Water Division, Valencia Water Company
1) Curriculum materials developed and/or provided by wholesale agency	Curricula that covers science, social studies, and math standards mandated by State of California	Curricula that covers science, social studies, and math standards mandated by State of California
2) Materials meet state education framework requirements and are grade-level appropriate?	Yes	Yes
3) Materials Distributed to K-6?	Yes	Yes
Describe K-6 Materials	Materials cover science, social studies, and math standards mandated by State of California as they relate to water, water quality, water conservation and water supply issues.	Materials cover science, social studies, and math standards mandated by State of California as they relate to water, water quality, water conservation and water supply issues.
Materials distributed to 7-12 students?	Yes	Yes
4) Annual budget for school education program.	\$ 337,164	\$ 352,195
5) Description of all other water supplier education programs	n/a	n/a
	On Track	On Track

All 5 actions types implemented and reported to CUWCC to be 'On Track'

Describe materials to meet minimum requirements

Info Only

AWWA WLCC Free Water Audit Software: Reporting Worksheet

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WAS v4.2

[Back to Instructions](#)

[?](#) Click to access definition

Water Audit Report for: **Castaic Lake Water Agency**
 Reporting Year: **40796** 7/2009 - 6/2010

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="8"/>	<input type="text" value="36,675.000"/>	acre-ft/yr
Master meter error adjustment (enter positive value):	<input type="text" value="8"/>	<input type="text" value="3.600"/>	over-registered acre-ft/yr
Water imported:	<input type="text" value="8"/>	<input type="text" value="34,885.000"/>	acre-ft/yr
Water exported:	<input type="text" value="10"/>	<input type="text" value="34,610.000"/>	acre-ft/yr
WATER SUPPLIED:		<input type="text" value="36,946.400"/>	acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="text" value="10"/>	<input type="text" value="35,353.000"/>	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="7"/>	<input type="text" value="461.830"/>	acre-ft/yr
AUTHORIZED CONSUMPTION:		<input type="text" value="35,814.830"/>	acre-ft/yr

Click here: for help using option buttons below

Pcnt: 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="7"/>	<input type="text" value="92.366"/>	acre-ft/yr
Customer metering inaccuracies:	<input type="text" value="5"/>	<input type="text" value="357.101"/>	acre-ft/yr
Systematic data handling errors:	<input type="text" value="5"/>	<input type="text"/>	acre-ft/yr
Apparent Losses:		<input type="text" value="449.467"/>	

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

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:	<input type="text" value="7"/>	<input type="text" value="682.103"/>	acre-ft/yr
WATER LOSSES:		<input type="text" value="1,131.570"/>	acre-ft/yr

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

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="10"/>	<input type="text" value="43.0"/>	miles
Number of active AND inactive service connections:	<input type="text" value="10"/>	<input type="text" value="25"/>	
Connection density:	<input type="text" value="10"/>	<input type="text" value="1"/>	conn./mile main
Average length of customer service line:	<input type="text" value="10"/>	<input type="text"/>	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	<input type="text" value="10"/>	<input type="text" value="110.0"/>	psi

COST DATA

Total annual cost of operating water system:	<input type="text" value="10"/>	<input type="text" value="\$107,299,883"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="text" value="5"/>	<input type="text" value="\$1.04"/>	\$/1000 gallons (US)
Variable production cost (applied to Real Losses):	<input type="text" value="5"/>	<input type="text" value="\$822.00"/>	\$/acre-ft

Retail costs are less than (or equal to) production costs; please review and correct if necessary

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	<input type="text" value="4.3%"/>
Non-revenue water as percent by cost of operating system:	<input type="text" value="1.0%"/>
Annual cost of Apparent Losses:	<input type="text" value="\$152,318"/>
Annual cost of Real Losses:	<input type="text" value="\$560,689"/>

Operational Efficiency Indicators

Apparent Losses per service connection per day:	<input type="text" value="16050.33"/>	gallons/connection/day
Real Losses per service connection per day*:	<input type="text" value="N/A"/>	gallons/connection/day
Real Losses per length of main per day*:	<input type="text" value="14,161.45"/>	gallons/mile/day
Real Losses per service connection per day per psi pressure:	<input type="text"/>	gallons/connection/day/psi
Unavoidable Annual Real Losses (UARL):	<input type="text" value="Not Valid"/>	

*** UARL cannot be calculated as either average pressure, number of connections or length of mains is too small: SEE UARL DEFINITION ***

From Above, Real Losses = Current Annual Real Losses (CARL):

Infrastructure Leakage Index (ILI) [CARL/UARL]:

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

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 77 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: Customer metering inaccuracies
- 3: Customer retail unit cost (applied to Apparent Losses)

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

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[See the complete MOU:](#) [View MOU](#)

[See the coverage requirements for this BMP:](#)

2009

BMP 1.1 Operations Practices

Comments:

Conservation Coordinator

Conservation Coordinator Yes No

Contact Information

First Name

Last Name

Title

Phone

Email

Note that the contact information may be the same as the primary contact information at the top of the page. If this is your case, excuse the inconvenience but please enter the information again.

Water Waste Prevention

Water Agency shall do one or more of the following:

- a. Enact and enforce an ordinance or establish terms of service that prohibit water waste
- b. Enact and enforce an ordinance or establish terms of service for water efficient design in new development
- c. Support legislation or regulations that prohibit water waste
- d. Enact an ordinance or establish terms of service to facilitate implementation of water shortage response measures
- e. Support local ordinances that prohibit water waste
- f. Support local ordinances that establish permits requirements for water efficient design in new

To document this BMP, provide the following:

- a. A description of, or electronic link to, any ordinances or terms of service
- b. A description of, or electronic link to, any ordinances or requirements adopted by local jurisdictions or regulatory agencies with the water agency's service area.
- c. A description of any water agency efforts to cooperate with other entities in the adoption or enforcement of local requirement
- d. description of agency support positions with respect to adoption of legislation or regulations

You can show your documentation by providing files, links (web addresses), and/or entering a description.

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Enter a description:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[See the complete MOU:](#) [View MOU](#)

[See the coverage requirements for this BMP:](#)

2010

BMP 1.1 Operations Practices

Comments:

Conservation Coordinator

Conservation Coordinator Yes No

Contact Information

First Name

Last Name

Title

Phone

Email

Note that the contact information may be the same as the primary contact information at the top of the page. If this is your case, excuse the inconvenience but please enter the information again.

Water Waste Prevention

Water Agency shall do one or more of the following:

- a. Enact and enforce an ordinance or establish terms of service that prohibit water waste
- b. Enact and enforce an ordinance or establish terms of service for water efficient design in new development
- c. Support legislation or regulations that prohibit water waste
- d. Enact an ordinance or establish terms of service to facilitate implementation of water shortage response measures
- e. Support local ordinances that prohibit water waste
- f. Support local ordinances that establish permits requirements for water efficient design in new

To document this BMP, provide the following:

- a. A description of, or electronic link to, any ordinances or terms of service
- b. A description of, or electronic link to, any ordinances or requirements adopted by local jurisdictions or regulatory agencies with the water agency's service area.
- c. A description of any water agency efforts to cooperate with other entities in the adoption or enforcement of local requirement
- d. description of agency support positions with respect to adoption of legislation or regulations

You can show your documentation by providing files, links (web addresses), and/or entering a description.

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Enter a description:

The fields in red are required.



Agency name:
Reporting unit name
(District name)
Reporting unit number:

Primary contact:
First name:
Last name:
Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)



2009 BMP 1.2 Water Loss Control

Did your agency complete a pre-screening system audit in 2009? **Yes** **No**

If yes, answer the following:

Determine metered sales in AF:

Definition: other accountable uses not included in metered sales, such as unbilled water use, fire suppression, etc.



Determine system verifiable uses AF:

Determine total supply into the system in AF:

Does your agency keep necessary data on file to verify the answers above? **Yes** **No**

Did your agency complete a full-scale system water audit during 2009? **Yes** **No**

Does your agency maintain in-house records of audit results or the completed AWWA worksheet for the completed audit which could be forwarded to CUWCC? **Yes** **No**

Did your agency operate a system leak detection program? **Yes** **No**

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

2010 BMP 1.2 Water Loss Control

[View MOU](#)



AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software Yes No
Email to natalie@cuwcc.org - Worksheets (AWWA Water Audit). Enter the name of the file below:

Water Audit Validity Score
from AWWA spreadsheet

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

Water Loss Performance

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

Recording Keeping Requirements:

Date/Time Leak Reported	Leak Location
Type of Leaking Pipe Segment or Fitting	Leak Running Time From Report to Repair
Leak Volume Estimate	Cost of Repair

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)

Total Leaks Repaired	Economic Value Of Real Loss	Economic Value Of AppUFYbhLoss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)

Comments:

The fields in red are required.

Agency name:
Reporting unit name
(District name)
Reporting unit number:

Primary contact:
First name:
Last name:
Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity

[Link to FAQs](#)

See the complete MOU: [View MOU](#)

See the coverage requirements for this BMP:

Implementation

- Does your agency have any unmetered service connections? Yes No
- If YES, has your agency completed a meter retrofit plan? Yes No
- Enter the 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	Billed by	Billing Frequency Per Year	# of estimated bills/yr
--------------	--------------------	-------------------------	-------------------------------------	-----------	----------------------------	-------------------------

Number of CII Accounts with Mixed-use Meters

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

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. Email or provide a link to the feasibility study (or description of):

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

General Comments about BMP 1.3:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity 2010

[Link to FAQs](#)

See the complete MOU: [View MOU](#)

See the coverage requirements for this BMP:

Implementation

Does your agency have any unmetered service connections? Yes No

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

Enter the 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	Billed by	Billing Frequency Per Year	# of estimated bills/yr
--------------	--------------------	-------------------------	-------------------------------------	-----------	----------------------------	-------------------------

Number of CII Accounts with Mixed-use Meters

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

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

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Comments:

The fields in red are required.



Agency name:
Reporting unit name
(District name)
Reporting unit number:

Primary contact:
First name:
Last name:
Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2009

BMP 2.1 Public Outreach

Is your agency performing Public Outreach for your Retailers?

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

Is your 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

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

Number of Public Contacts	Public Information Programs

Contact with the Media

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

OR Wholesale Agency (Contacts with the Media)

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

Media Contacts List

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types

Is a Wholesale Agency Performing Website Updates?

Did one or more retail agencies rely on your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP?

Yes No

Enter the name(s) of the retail agency (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.

Category	Amount		Personnel Costs Included? <i>If yes, check the box.</i>	Comments	

Comments:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.



[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.1 Public Outreach

Is your agency performing Public Outreach for your Retailers?

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

Is your 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

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

Number of Public Contacts	Public Information Programs

Contact with the Media

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

OR Wholesale Agency (Contacts with the Media)

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

Media Contacts List

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types

Is a Wholesale Agency Performing Website Updates?

Did one or more retail agencies rely on your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP? Yes No

Enter the name(s) of the retail agency (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 brake the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount		Personnel Costs Included? <i>If yes, check the box.</i>	Comments	

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2009

BMP 2.2 School Education Programs

School Programs

Is your agency implementing school programs which can be counted to help another agency comply with this BMP?

Yes No

Enter retailer names, separated by commas:

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

Annual budget for school education program

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations

Number of attendees

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

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

Number of presentations

Number of attendees

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

Description

Number distributed

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):

Comments

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.2 School Education Programs

School Programs

Is your agency implementing school programs which can be counted to help another agency comply with this BMP?

Yes No

Enter retailer names, separated by commas:

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

Annual budget for school education program

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations

Number of attendees

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

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

Number of presentations

Number of attendees

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

Description

Number distributed

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):

Comments

CLWA SCWD DMM Materials

[?](#) Click to access definition

Water Audit Report for: **Santa Clarita Water Division**
 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:	<input type="text" value="7"/>	<input type="text" value="10,077.000"/>	acre-ft/yr
Master meter error adjustment (enter positive value):	<input type="text" value="2"/>	<input type="text" value="1,334.000"/>	<input type="text" value="under-registered"/> acre-ft/yr
Water imported:	<input type="text" value="7"/>	<input type="text" value="17,739.000"/>	acre-ft/yr
Water exported:	<input type="text" value="n/a"/>	<input type="text" value="0.000"/>	acre-ft/yr
WATER SUPPLIED:		<input type="text" value="29,150.000"/>	acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="text" value="7"/>	<input type="text" value="26,132.000"/>	acre-ft/yr
Billed unmetered:	<input type="text" value="10"/>	<input type="text" value="59.000"/>	acre-ft/yr
Unbilled metered:	<input type="text" value="n/a"/>	<input type="text" value="0.000"/>	acre-ft/yr
Unbilled unmetered:	<input type="text" value="7"/>	<input type="text" value="39.000"/>	acre-ft/yr

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

Pcnt: Value:

Use buttons to select percentage of water supplied **OR** value

AUTHORIZED CONSUMPTION: acre-ft/yr

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

Apparent Losses

Unauthorized consumption:	<input type="text" value="3"/>	<input type="text" value="5.000"/>	acre-ft/yr
Customer metering inaccuracies:	<input type="text" value="5"/>	<input type="text" value="263.960"/>	acre-ft/yr
Systematic data handling errors:	<input type="text" value="5"/>	<input type="text" value=""/>	acre-ft/yr

Pcnt: Value:

Systematic data handling errors are likely, please enter a non-zero value; otherwise grade = 5

Apparent Losses:

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: acre-ft/yr

WATER LOSSES: 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="5"/>	<input type="text" value="308.0"/>	miles
Number of active AND inactive service connections:	<input type="text" value="7"/>	<input type="text" value="28,687"/>	
Connection density:		<input type="text" value="93"/>	conn./mile main
Average length of customer service line:	<input type="text" value="10"/>	<input type="text" value="15.0"/>	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	<input type="text" value="7"/>	<input type="text" value="95.0"/>	psi

COST DATA

Total annual cost of operating water system:	<input type="text" value="8"/>	<input type="text" value="\$15,613,461"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="text" value="7"/>	<input type="text" value="\$1.26"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="text" value="7"/>	<input type="text" value="\$263.54"/>	\$/acre-ft

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	<input type="text" value="10.2%"/>
Non-revenue water as percent by cost of operating system:	<input type="text" value="5.5%"/>
Annual cost of Apparent Losses:	<input type="text" value="\$147,620"/>
Annual cost of Real Losses:	<input type="text" value="\$698,655"/>

Operational Efficiency Indicators

Apparent Losses per service connection per day:	<input type="text" value="8.37"/>	gallons/connection/day
Real Losses per service connection per day*:	<input type="text" value="82.50"/>	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="0.87"/>	gallons/connection/day/psi
<input type="text" value="7"/> Unavoidable Annual Real Losses (UARL):	<input type="text" value="700.26"/>	acre-feet/year
From Above, Real Losses = Current Annual Real Losses (CARL):	<input type="text" value="2,651.04"/>	acre-feet/year
<input type="text" value="7"/> Infrastructure Leakage Index (ILI) [CARL/UARL]:	<input type="text" value="3.79"/>	

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

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 64 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: Master meter error adjustment
- 2: Water imported
- 3: Customer metering inaccuracies

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

VWC DMM Materials

[?](#) Click to access definition

Water Audit Report for: **VALENCIA WATER COMPANY**
 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:	<input type="text" value="10"/>	<input type="text" value="15,320.591"/>	acre-ft/yr
Master meter error adjustment (enter positive value):	<input type="text" value="4"/>	<input type="text" value="110.308"/>	over-registered acre-ft/yr
Water imported:	<input type="text" value="10"/>	<input type="text" value="14,730.873"/>	acre-ft/yr
Water exported:	<input type="text" value="10"/>	<input type="text" value="0.000"/>	acre-ft/yr
WATER SUPPLIED:		29,941.156	acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="text" value="10"/>	<input type="text" value="28,964.492"/>	acre-ft/yr
Billed unmetered:	<input type="text" value="7"/>	<input type="text" value="0.000"/>	acre-ft/yr
Unbilled metered:	<input type="text" value="10"/>	<input type="text" value="0.737"/>	acre-ft/yr
Unbilled unmetered:	<input type="text" value="7"/>	<input type="text" value="374.264"/>	acre-ft/yr

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

AUTHORIZED CONSUMPTION: acre-ft/yr

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

Pcnt: Value:

Use buttons to select percentage of water supplied OR value

WATER LOSSES (Water Supplied - Authorized Consumption)

acre-ft/yr

Apparent Losses

Unauthorized consumption: 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="10"/>	<input type="text" value="145.554"/>	acre-ft/yr
Systematic data handling errors:	<input type="text" value="7"/>	<input type="text" value="0.000"/>	acre-ft/yr

Systematic data handling errors are likely, please enter a non-zero value; otherwise grade = 5

Apparent Losses: acre-ft/yr

Pcnt: Value:

Pcnt: Value:

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

Real Losses

Real Losses = Water Losses - Apparent Losses: acre-ft/yr

WATER LOSSES: 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="10"/>	<input type="text" value="352.3"/>	miles
Number of active AND inactive service connections:	<input type="text" value="10"/>	<input type="text" value="29,948"/>	
Connection density:		<input type="text" value="85"/>	conn./mile main
Average length of customer service line:	<input type="text" value="10"/>	<input type="text" value="0.0"/>	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	<input type="text" value="8"/>	<input type="text" value="86.0"/>	psi

COST DATA

Total annual cost of operating water system:	<input type="text" value="10"/>	<input type="text" value="\$19,374,217"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="text" value="10"/>	<input type="text" value="\$1.10"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="text" value="10"/>	<input type="text" value="\$208.49"/>	\$/acre-ft/yr

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	<input type="text" value="3.3%"/>
Non-revenue water as percent by cost of operating system:	<input type="text" value="1.4%"/>
Annual cost of Apparent Losses:	<input type="text" value="\$105,802"/>
Annual cost of Real Losses:	<input type="text" value="\$79,486"/>

Operational Efficiency Indicators

Apparent Losses per service connection per day:	<input type="text" value="6.57"/>	gallons/connection/day
Real Losses per service connection per day*:	<input type="text" value="11.37"/>	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="0.13"/>	gallons/connection/day/psi
Unavoidable Annual Real Losses (UARL):	<input type="text" value="200.84"/>	million gallons/year
Infrastructure Leakage Index (ILI) [Real Losses/UARL]:	<input type="text" value="0.62"/>	

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

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 89 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: Master meter error adjustment
- 2: Unauthorized consumption
- 3: Systematic data handling errors

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

[?](#) Click to access definition

Water Audit Report for: **VALENCIA WATER COMPANY**
 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="10"/>	<input type="text" value="16,080.171"/>	acre-ft/yr
Master meter error adjustment (enter positive value):	<input type="text" value="4"/>	<input type="text" value="115.777"/>	over-registered acre-ft/yr
Water imported:	<input type="text" value="10"/>	<input type="text" value="11,212.962"/>	acre-ft/yr
Water exported:	<input type="text" value="10"/>	<input type="text" value="0.000"/>	acre-ft/yr
WATER SUPPLIED:		27,177.356	acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="text" value="10"/>	<input type="text" value="26,512.654"/>	acre-ft/yr
Billed unmetered:	<input type="text" value="7"/>	<input type="text" value="0.000"/>	acre-ft/yr
Unbilled metered:	<input type="text" value="10"/>	<input type="text" value="0.779"/>	acre-ft/yr
Unbilled unmetered:	<input type="text" value="7"/>	<input type="text" value="339.717"/>	acre-ft/yr

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

AUTHORIZED CONSUMPTION: **26,853.150** acre-ft/yr

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

Pcnt: Value:

Use buttons to select percentage of water supplied OR value

WATER LOSSES (Water Supplied - Authorized Consumption) **324.206** acre-ft/yr

Apparent Losses

Unauthorized consumption: 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="10"/>	<input type="text" value="133.233"/>	acre-ft/yr
Systematic data handling errors:	<input type="text" value="7"/>	<input type="text" value="0.000"/>	acre-ft/yr

Systematic data handling errors are likely, please enter a non-zero value; otherwise grade = 5

Apparent Losses: acre-ft/yr

Pcnt: Value:

Value:

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

Real Losses

Real Losses = Water Losses - Apparent Losses: acre-ft/yr

WATER LOSSES: **324.206** 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="10"/>	<input type="text" value="357.4"/>	miles
Number of active AND inactive service connections:	<input type="text" value="10"/>	<input type="text" value="30,080"/>	
Connection density:		<input type="text" value="84"/>	conn./mile main
Average length of customer service line:	<input type="text" value="10"/>	<input type="text" value="0.0"/>	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	<input type="text" value="10"/>	<input type="text" value="86.0"/>	psi

COST DATA

Total annual cost of operating water system:	<input type="text" value="10"/>	<input type="text" value="\$19,083,083"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="text" value="10"/>	<input type="text" value="\$1.10"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="text" value="10"/>	<input type="text" value="\$245.96"/>	\$/acre-ft/yr

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	<input type="text" value="2.4%"/>
Non-revenue water as percent by cost of operating system:	<input type="text" value="1.1%"/>
Annual cost of Apparent Losses:	<input type="text" value="\$96,571"/>
Annual cost of Real Losses:	<input type="text" value="\$30,260"/>

Operational Efficiency Indicators

Apparent Losses per service connection per day:	<input type="text" value="5.97"/>	gallons/connection/day
Real Losses per service connection per day*:	<input type="text" value="3.65"/>	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="0.04"/>	gallons/connection/day/psi
<input type="text" value="7"/> Unavoidable Annual Real Losses (UARL):	<input type="text" value="202.33"/>	million gallons/year
<input type="text" value="7"/> Infrastructure Leakage Index (ILI) [Real Losses/UARL]:	<input type="text" value="0.20"/>	

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

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 89 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: Master meter error adjustment**
- 2: Unauthorized consumption**
- 3: Systematic data handling errors**

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

NCWD DMM Materials

AWWA WLCC Free Water Audit Software: Reporting Worksheet

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WAS v4.2

[Back to Instructions](#)

[?](#) Click to access definition

Water Audit Report for: **Newhall County Water District**
 Reporting Year: **2010** / 7/2009 - 6/2010

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="10"/>	<input type="text" value="5,828.810"/>	acre-ft/yr
Master meter error adjustment (enter positive value):	<input type="text" value=""/>	<input type="text" value=""/>	acre-ft/yr
Water imported:	<input type="text" value="10"/>	<input type="text" value="4,108.730"/>	acre-ft/yr
Water exported:	<input type="text" value=""/>	<input type="text" value=""/>	acre-ft/yr
WATER SUPPLIED:		9,937.540	acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:	<input type="text" value="10"/>	<input type="text" value="9,281.320"/>	acre-ft/yr
Billed unmetered:	<input type="text" value="n/a"/>	<input type="text" value=""/>	acre-ft/yr
Unbilled metered:	<input type="text" value="10"/>	<input type="text" value="22.290"/>	acre-ft/yr
Unbilled unmetered:	<input type="text" value=""/>	<input type="text" value="124.219"/>	acre-ft/yr
Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed			
AUTHORIZED CONSUMPTION:		9,427.829	acre-ft/yr

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

Pcnt: 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=""/>	<input type="text" value="0.000"/>	acre-ft/yr
Enter a positive value, otherwise a default percentage of 0.25% and a grading of 5 is applied			
Customer metering inaccuracies:	<input type="text" value="10"/>	<input type="text" value="0.000"/>	acre-ft/yr
Systematic data handling errors:	<input type="text" value="10"/>	<input type="text" value="5.000"/>	acre-ft/yr
Apparent Losses:	<input type="text" value=""/>	<input type="text" value="5.000"/>	

Pcnt: 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=""/>	<input type="text" value="504.711"/>	acre-ft/yr
WATER LOSSES:		509.711	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="10"/>	<input type="text" value="158.5"/>	miles
Number of active AND inactive service connections:	<input type="text" value="10"/>	<input type="text" value="9,604"/>	
Connection density:	<input type="text" value=""/>	<input type="text" value="61"/>	conn./mile main
Average length of customer service line:	<input type="text" value="6"/>	<input type="text" value="15.0"/>	ft (pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	<input type="text" value=""/>	<input type="text" value="100.0"/>	psi

COST DATA

Total annual cost of operating water system:	<input type="text" value="10"/>	<input type="text" value="\$3,530,399"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	<input type="text" value=""/>	<input type="text" value="\$0.97"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	<input type="text" value=""/>	<input type="text" value="\$355.25"/>	\$/acre-ft

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	<input type="text" value="6.6%"/>
Non-revenue water as percent by cost of operating system:	<input type="text" value="6.6%"/>
Annual cost of Apparent Losses:	<input type="text" value="\$2,108"/>
Annual cost of Real Losses:	<input type="text" value="\$179,298"/>

Operational Efficiency Indicators

Apparent Losses per service connection per day:	<input type="text" value="0.46"/>	gallons/connection/day
Real Losses per service connection per day*:	<input type="text" value="46.92"/>	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="0.47"/>	gallons/connection/day/psi
<input type="text" value=""/> Unavoidable Annual Real Losses (UARL):	<input type="text" value="280.34"/>	acre-feet/year
From Above, Real Losses = Current Annual Real Losses (CARL):	<input type="text" value="504.71"/>	acre-feet/year
<input type="text" value=""/> Infrastructure Leakage Index (ILI) [CARL/UARL]:	<input type="text" value="1.80"/>	

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

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 96 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: Unauthorized consumption
- 2: Unbilled unmetered
- 3: Average length of customer service line

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