

1.6 Urban Water Management Compliance

For this Proposal, the KCWA Improvement District No. 4 (ID4) is the only Urban Water Supplier as defined in Section 529.5 of the Water Code. BVWSD and AEWSD are agricultural water districts and are not Urban Water Suppliers. BCWD provides domestic water service to approximately 440 water connections and does not meet the threshold of an Urban Water Supplier. The following sections provide information on ID4's compliance with the Urban Water Management Planning Act, AB 1420, and Water Metering. A summary list is included as **Table 1.6-1**.

Urban Water Management Planning Act Compliance

The KCWA Board of Directors adopted the ID4 2010 Urban Water Management Plan (UWMP) update on May 25, 2011. DWR received the ID4 2010 UWMP update for review on June 23, 2011. In correspondence dated March 4, 2013, DWR notified KCWA the ID4 2010 UWMP update addressed the requirements set forth in the California Water Code (CWC) (see **Appendix 1.6-A** for a copy of this notification).

Link:

<http://www.water.ca.gov/urbanwatermanagement/2010uwmps/Kern%20County%20Water%20Agency%20Improvement%20District%20No%204/>

AB 1420 Compliance & Water Meter Compliance

ID4 provides a wholesale treated water supply to four retail customers: California Water Service Company, City of Bakersfield, East Niles Community Services Department and North of the River Municipal Water District. ID4's customer connections are fully metered.

ID4 is a signatory to the California Urban Water Conservation Council (CUWCC) Memorandum of Understanding and implements Best Management Practices (BMPs) as a wholesale water agency. On January 28, 2014, ID4 submitted updated BMP reports to CUWCC. The reports summarized ID4's continued implementation of wholesale water agency BMPs.

Table 1.6-1: Urban Water Management Compliance

Project Proponent	Project	Contact Information	UWMP Status	Compliance Documentation
KCWA ID4	Project 2 CVC Extension Lining Project	KCWA Improvement District No. 4 David Beard, Manager (661) 634-1493 dbeard@kcwa.com	Adopted: May 25, 2011 Verified: March 4, 2013 (Appendix 1.6-A)	AB1420 Self-Certification (Appendix 1.6-B) Water Meter Self-Certification (Appendix 1.6-C)

Documentation stating that BVWSD, AEWSD, and BCWD are not Urban Water Suppliers is included as **Appendix 1.6-D, 1.6E, 1.6F**, respectively.

Appendix 1.6-A

DWR Verification for ID4's 2010 Urban Water Management Plan

DEPARTMENT OF WATER RESOURCES

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



March 4, 2013

Mr. David R. Beard, Manager
Kern County Water Agency
Improvement District No. 4
3200 Rio Mirada Drive
Bakersfield, California 93308

RECEIVED - Kern County Water Agency

JMB <input type="checkbox"/>	ATM <input checked="" type="checkbox"/>
BEW <input type="checkbox"/>	DRB <input checked="" type="checkbox"/> SE
DMB <input type="checkbox"/>	MMV <input type="checkbox"/>
CLC <input type="checkbox"/>	RK <input type="checkbox"/>
DWM <input type="checkbox"/>	SMR <input type="checkbox"/>
HLM <input type="checkbox"/>	NLP <input type="checkbox"/>
MLC <input type="checkbox"/>	<input type="checkbox"/>
LAB <input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

MAR 11 2013

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Dear Mr. Beard:

The Department of Water Resources (DWR) has reviewed the Kern County Water Agency Improvement District No. 4's (KCWA-ID4) 2010 Urban Water Management Plan (UWMP) received on June 23, 2011. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted plans. In meeting this legislative reporting requirement, DWR reviews all submitted plans.

DWR's review of KCWA-ID4's 2010 plan has found that the plan has addressed the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter is simply meant to acknowledge that KCWA-ID4's 2010 UWMP has addressed these requirements. The results of the review will also be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the plan or urban water management planning please don't hesitate to email or call.

Sincerely,

Peter Brostrom
UWMP Program Manager
brostrom@water.ca.gov
(916) 651-7034

cc: Luis Avila
DWR South Central Regional Office

Appendix 1.6-B

KCWA ID4 AB 1420 Self-Certification

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							
			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) (3)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No			
		BMPs																
		BMP 5 Large Landscape Conservation Programs and Incentives																
✓	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs																
✓	✓	BMP 7 Public Information	Yes		✓										1/28/2014			
✓	✓	BMP 8 School Education	Yes		✓										1/28/2014			
		BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts																
✓		BMP 10 Wholesale Agency Assistance Programs	Yes		✓										1/28/2014			
	✓	BMP 11 Conservation Pricing																
✓	✓	BMP 12 Conservation Coordinator	Yes		✓										1/28/2014			
	✓	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.



CUWCC BMP Wholesale Coverage Report 2011

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Wholesale Agency Assistance Programs

ON TRACK

141 Kern County Water Agency

Name: Donna Semar Email: dsemar@kcwa.com

a) Financial Investments and Building Partnerships

BMP Section	Monetary Amount for Financial Incentives	Monetary Amount for Equivalent Resources
BMP 2.1 Public Outreach		18,668.31
BMP 2.2 School Education Program		18,427.65

b) Technical Support

c) Retail Agency

Retail Agency Name	Program Description
California Water Service Company - Bakersfield	Public Information/School Education
North of the River MWD - Retail	Public Information/School Education

d) Water Shortage Allocation

Adoption Date: 4/27/2011

File Name: Resolution No. 27-11, Establishing an Improvement District No. 4 Water Shortage Contingency Plan.

e) Non signatory Reporting of BMP implementation by non-signatory Agencies

The Agency is unable to report for non-signatories.

f) Encourage CUWCC Membership List Efforts to Recruit Retailers

The Agency has not been asked to pay dues on behalf of any retail agency. However, the Agency has encouraged the City of Bakersfield and East Niles Community Services District to sign the MOU.

At Least As effective As

No

Exemption

No

0

Comments:

C. Program Management
 City of Bakersfield - Public Information/School Education
 East Niles Community Services District - Public Information/School Education



CUWCC BMP Wholesale Coverage Report 2012

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Wholesale Agency Assistance Programs

ON TRACK

141 Kern County Water Agency

Name: Donna Semar Email: dsemar@kcwa.com

a) Financial Investments and Building Partnerships

BMP Section	Monetary Amount for Financial Incentives	Monetary Amount for Equivalent Resources
BMP 2.1 Public Outreach		14,789.14
BMP 2.2 School Education Program		30,923.50

b) Technical Support

c) Retail Agency

Retail Agency Name	Program Description
California Water Service Company - Bakersfield	Public Information/School Education
North of the River MWD - Retail	Public Information/School Education

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Adoption Date: 4/27/2011

File Name: Resolution No. 27-11 Establishing an Improvement District No. 4 Water Shortage Contingency Plan

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At Least As effective As

No

Exemption

No

0

Comments:

C. Program Management
 City of Bakersfield - Public Information/School Education
 East Niles Community Services District - Public Information/School Education



CUWCC BMP Coverage Report 2011

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.2 Water Loss Control

ON TRACK

141 Kern County Water Agency

- Completed Standard Water Audit Using AWWA Software? Yes
- AWWA File provided to CUWCC? Yes
- 2011-AWWA water audit_Kern County Water Agency.xls
- AWWA Water Audit Validity Score? 83
- Complete Training in AWWA Audit Method Yes
- Complete Training in Component Analysis Process? Yes
- Component Analysis? Yes
- 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. Yes

Provided 7 Types of Water Loss Control Info

Leaks Repairs	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Of Interventions	Water Saved (AF)
	14243	196224	13.5	True		

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2012

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.2 Water Loss Control

ON TRACK

141 Kern County Water Agency

- Completed Standard Water Audit Using AWWA Software? Yes
- AWWA File provided to CUWCC? Yes
- 2012-AWWA water audit_Kern County Water Agency.xls
- AWWA Water Audit Validity Score? 83
- Complete Training in AWWA Audit Method Yes
- Complete Training in Component Analysis Process? Yes
- Component Analysis? Yes
- 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. Yes

Provided 7 Types of Water Loss Control Info

Leaks Repairs	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Of Interventions	Water Saved (AF)
	88586	249187	13.5	True		

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2011

Foundational Best Management Practices For Urban Water Efficiency

**BMP 1.3 Metering With
Commodity**

ON TRACK

141 Kern County Water Agency

Numbered Unmetered Accounts	No
Metered Accounts billed by volume of use	Yes
Number of CII Accounts with Mixed Use Meters	0
Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	No
Feasibility Study provided to CUWCC?	No
Date: 12:00:00 AM	
Uploaded file name:	
Completed a written plan, policy or program to test, repair and replace meters	No

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2012

Foundational Best Management Practices For Urban Water Efficiency

**BMP 1.3 Metering With
Commodity**

ON TRACK

141 Kern County Water Agency

Numbered Unmetered Accounts No

Metered Accounts billed by volume of use Yes

Number of CII Accounts with Mixed Use
Meters

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

Feasibility Study provided to CUWCC? No

Date: 12:00:00 AM

Uploaded file name:

Completed a written plan, policy or program to test,
repair and replace meters No

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2011

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

141

Kern County Water Agency

Wholesale Only

Does your agency perform Public Outreach programs? Yes

The list of retail agencies your agency assists with public outreach

California Water Service Company - Bakersfield, North of the River MWD - Retail
City of Bakersfield, Art Chianello, achianel@bakersfieldcity.us
East Niles Community Services District, Tim Ruiz, truz@eastnilescsd.org

The name of agency, contact name and email address if not CUWCC Group 1 members

Did at least one contact take place during each quarter of the reporting year? No

Public Outreach Program List	Number
General water conservation information	80
Total	80

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

Number Media Contacts	Number
Television contacts	17
Radio contacts	9
Newspaper contacts	40
News releases	28
Total	94

Did at least one website update take place during each quarter of the reporting year? Yes

Public Information Program Annual Budget

Annual Budget Category	Annual Budget Amount
Public Information	27000
Total Amount:	27000

Public Outreach Additional Programs

The Agency participated in the Kern County Fair on September 25, 2010 to promote water conservation and provide basic education to the public.

Description of all other Public Outreach programs



CUWCC BMP Coverage Report 2011

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

Comments:

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At Least As effective As

No

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Exemption

No

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CUWCC BMP Coverage Report 2012

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

141

Kern County Water Agency

Wholesale Only

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City of Bakersfield, Art Chianello, achianel@bakersfieldcity.us
East Niles Community Services District, Tim Ruiz, truz@eastnilescsd.org

The name of agency, contact name and email address if not CUWCC Group 1 members

Did at least one contact take place during each quarter of the reporting year? No

Public Outreach Program List	Number
General water conservation information	74
Total	74

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

Number Media Contacts	Number
Television contacts	7
Radio contacts	17
Newspaper contacts	40
News releases	19
Total	83

Did at least one website update take place during each quarter of the reporting year? Yes

Public Information Program Annual Budget

Annual Budget Category	Annual Budget Amount
Public Information	18000
Total Amount:	18000

Public Outreach Additional Programs

Agency's 50th Anniversary - Vision 2061 was an educational event held at Bakersfield College where federal, state and local leaders and stakeholder organizations came together to share reflections and generate ideas.

Description of all other Public Outreach programs



CUWCC BMP Coverage Report 2012

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

Comments:

At Least As effective As

No

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Exemption

No

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CUWCC BMP Coverage Report 2011

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.2 School Education Programs

ON TRACK

141 Kern County Water Agency

Wholesale Only

Does your agency implement School Education programs? Yes

The list of retail agencies your agency assists with public outreach

California Water Service Company - Bakersfield, North of the River MWD - Retail
City of Bakersfield, Art Chianello, achianel@bakersfieldcity.us
East Niles Community Services District, Tim Ruiz, truz@eastnilesd.org

Materials meet state education framework requirements? Yes

Please see descriptions below.

Materials distributed to K-6? Yes

Water cycle and conservation education, "Farmers Grow Our Food" coloring books, seed packets to grow radishes, water supply education, canal safety, and a chemistry experiment on the chemical components of water.

Materials distributed to 7-12 students? Yes (Info Only)

Groundwater education for secondary students is a comprehensive science unit that comes complete with lesson plans, classroom demonstrations, laboratory exercises, games, assessment activities, and a California groundwater map.

Annual budget for school education program: 21000.00

Description of all other water supplier education programs

Please see descriptions below. Water cycle and conservation education, "Farmers Grow Our Food" coloring books, seed packets to grow radishes, water supply education, canal safety, and a chemistry experiment on the chemical components of water. Water Awareness Month is celebrated statewide in May, and the Agency celebrates the importance of water by having the students express how they can play a part in water conservation. The Agency holds a poster contest for students in grades 1st - 6th.

Comments:

At Least As effective As No

[Empty box]

Exemption No 0



CUWCC BMP Coverage Report 2012

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.2 School Education Programs

ON TRACK

141 Kern County Water Agency

Wholesale Only

Does your agency implement School Education programs? Yes

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Please see description below.

Materials distributed to K-6? Yes

Water cycle and conservation education, "Farmers Grow Our Food" coloring books, seed packets to grow radishes, water supply education, canal safety, and a chemistry experiment on the chemical components of water.

Materials distributed to 7-12 students? Yes (Info Only)

Groundwater education for secondary students is a comprehensive science unit that comes complete with lesson plans, classroom demonstrations, laboratory exercises, games, assessment activities, and a California groundwater map.

Annual budget for school education program: 24500.00

Description of all other water supplier education programs

Please see description below. Water cycle and conservation education, "Farmers Grow Our Food" coloring books, seed packets to grow radishes, water supply education, canal safety, and a chemistry experiment on the chemical components of water. Water Awareness Month is celebrated statewide in May, and the Agency celebrates the importance of water by having the students express how they can play a part in water conservation. The Agency holds a poster contest for students in grades 1st - 6th.

Comments:

At Least As effective As No

[Empty box]

Exemption No 0



BMP1.1 Operation Practices - Wholesale Only 2011

Reporting unit name (District name)	Reporting unit number:
Kern County Water Agency	141

Contact Information

First Name:	Donna	Title:		Phone:	661-634-1466
Last Name:	Semar		Water Resources Planner	Email:	dsemar@kcwa.com

Wholesale Agency assistance programs

a) Financial Investments and Building Partnerships

BMP Section	Monetary Amount for Financial Incentives	Monetary Amount for Equivalent Resource
BMP 2.1 Public Outreach		18,668.31
BMP 2.2 School Education Program		18,427.65

b) Technical Support

The Agency's Engineering and Groundwater Services department provides as-built drawings, service area maps, and historical treated water flow and pressure ranges to retail agencies as requested.

c) Retail Agency

Retail Agency Name	Program Description
California Water Service Company - Bakersfield	Public Information/School Education
North of the River MWD - Retail	Public Information/School Education

d) Water Shortage Allocation

4/27/2011	Resolution No. 27-11, Establishing an Improvement District No. 4 Water Shortage Contingency Plan.
Copy_of_Res._27-11_Water_Shortage_Contingency.pdf	

e) Non-Signatory Reporting

The Agency is unable to report for non-signatories.

f) Encourage CUWCC Membership

The Agency has not been asked to pay dues on behalf of any retail agency. However, the Agency has encouraged the City of Bakersfield and East Niles Community Services District to sign the MOU.

At Least As effective As

Exemption

Comments:



BMP1.1 Operation Practices - Wholesale Only 2011

C. Program Management
City of Bakersfield - Public Information/School Education
East Niles Community Services District - Public Information/School Education



BMP1.1 Operation Practices - Wholesale Only 2012

Reporting unit name (District name)

Kern County Water Agency

Reporting unit number:

141

Contact Information

First Name: Donna

Title:

Phone: (661) 634-1466

Last Name: Semar

Water Resources Planner

Email: dsemar@kcwa.com

Wholesale Agency assistance programs

a) Financial Investments and Building Partnerships

BMP Section	Monetary Amount for Financial Incentives	Monetary Amount for Equivalent Resource
BMP 2.1 Public Outreach		14,789.14
BMP 2.2 School Education Program		30,923.50

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d) Water Shortage Allocation

4/27/2011

Resolution No. 27-11 Establishing an Improvement District No. 4 Water Shortage Contingency Plan

Res. 27-11 Water Shortage Contingency.pdf

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At Least As effective As

No

Exemption

No

0

Comments:



BMP1.1 Operation Practices - Wholesale Only 2012

C. Program Management
City of Bakersfield - Public Information/School Education
East Niles Community Services District - Public Information/School Education



BMP 1.2 Water Loss Control 2011

Reporting unit name: Reporting unit number:

AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software

Uploaded filename:

Water Audit Validity Score from AWWA spreadsheet:

Agency Completed Training In The AWWA Water Audit Method

Agency Completed Training In The Component Analysis Process

Completed/Updated the Component Analysis (at least every 4 years)?

Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective

Recording Keeping Requirements Beginning in Year 2

Does your agency maintain a record keeping system for the following?

Date/Time Leak Reported	<input type="text" value="Yes"/>	Leak Location	<input type="text" value="Yes"/>
Type of Leaking Pipe Segment or Fitting	<input type="text" value="Yes"/>	Leak Running Time From Report to Repair	<input type="text" value="Yes"/>
Leak Volume Estimate	<input type="text" value="Yes"/>	Cost of Repair	<input type="text" value="Yes"/>
Do you have an infrastructure rehabilitation and renewal program ?			<input type="text" value="Yes"/>

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective

Type of Program Activities Used to Detect Unreported Leaks

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?

Does your agency keeps records of each component analysis performed, and incorporates results into future annual standard water balances?

Annual Summary Information

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

Tota Leaks Repaired	Economic Val Of Real Loss	Economic Val Of App Loss	Miles Of System Surveyed For Leaks	Pressure Red Undertkn For Loss Reduction	Cost Of Interventions	Water Saved
	14243	196224	13.5	Yes		

Please describe your infrastructure rehabilitation and renewal activity below

AWWA Model



BMP 1.2 Water Loss Control 2011

Operational Efficiency Indicator

Apparent Losses per service connection per day:	22012.97
Real Losses per service connection per day:	N/A
Real Losses per length of main per day:	4204.79
Real Losses per service connection per day per psi pressure:	0.00
Unavoidable Annual Real Losses(UARL):	Not Valid
Above, Real Losses=Current Annual Real Losses(CARL):	63.58
Infrastructure Leakage Index (ILI) [CARL/UARL]:	0.00

At Least As effective As

Exemption

Comments:



BMP 1.2 Water Loss Control 2012

Reporting unit name: Reporting unit number:

AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software

Uploaded filename:

Water Audit Validity Score from AWWA spreadsheet:

Agency Completed Training In The AWWA Water Audit Method

Agency Completed Training In The Component Analysis Process

Completed/Updated the Component Analysis (at least every 4 years)?

Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective

Recording Keeping Requirements Beginning in Year 2

Does your agency maintain a record keeping system for the following?

Date/Time Leak Reported	<input type="text" value="No"/>	Leak Location	<input type="text" value="No"/>
Type of Leaking Pipe Segment or Fitting	<input type="text" value="No"/>	Leak Running Time From Report to Repair	<input type="text" value="No"/>
Leak Volume Estimate	<input type="text" value="No"/>	Cost of Repair	<input type="text" value="No"/>
Do you have an infrastructure rehabilitation and renewal program ?		<input type="text" value="No"/>	

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective

Type of Program Activities Used to Detect Unreported Leaks

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?

Does your agency keeps records of each component analysis performed, and incorporates results into future annual standard water balances?

Annual Summary Information

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

Tota Leaks Repaired	Economic Val Of Real Loss	Economic Val Of App Loss	Miles Of System Surveyed For Leaks	Pressure Red Undertkn For Loss Reduction	Cost Of Interventions	Water Saved
	88586	249187	13.5	Yes		

Please describe your infrastructure rehabilitation and renewal activity below

AWWA Model



BMP 1.2 Water Loss Control 2012

Operational Efficiency Indicator

Apparent Losses per service connection per day:	26065.67
Real Losses per service connection per day:	N/A
Real Losses per length of main per day:	26152.42
Real Losses per service connection per day per psi pressure:	0.00
Unavoidable Annual Real Losses(UARL):	Not Valid
Above, Real Losses=Current Annual Real Losses(CARL):	395.48
Infrastructure Leakage Index (ILI) [CARL/UARL]:	0.00

At Least As effective As

Exemption

Comments:



BMP 1.3 Metering With Commodity 2011

Reporting unit name: Kern County Water Agency
Reporting unit number: 141

Implementation

Does your agency have any unmetered service connections? No

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

Enter the number of previously unmetered accounts fitted with meters during reporting year: []

Are all new service connections being metered? Yes

Are all new service connections being billed volumetrically? Yes

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

Meters Matrix

Account Type	Num Of Metered Accounts	Num Of Metered Accounts Read	Num Of Metered Accounts Billed By Volume	Billing Frequency	Estimated Bills Per Year	Meter Readings Per Year
Other	4	4	4	Other	8	

Number of CII Accounts with Mixed-use Meters: 0

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period: 0

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? No

If YES, please fill in the following information:

A. When was the Feasibility Study conducted: 12:00:00 AM

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

[]
[]
[]

At Least As effective As: No

[]

Exemption: No [] 0

Comments:

[]



BMP 1.3 Metering With Commodity 2012

Reporting unit name: Kern County Water Agency
Reporting unit number: 141

Implementation

Does your agency have any unmetered service connections? No

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

Enter the number of previously unmetered accounts fitted with meters during reporting year: []

Are all new service connections being metered? Yes

Are all new service connections being billed volumetrically? Yes

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

Meters Matrix

Account Type	Num Of Metered Accounts	Num Of Metered Accounts Read	Num Of Metered Accounts Billed By Volume	Billing Frequency	Estimated Bills Per Year	Meter Readings Per Year
Other	4	4	4	Other	8	

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? No

If YES, please fill in the following information:

A. When was the Feasibility Study conducted 12:00:00 AM

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

[]
[]
[]

At Least As effective As No

[]

Exemption No 0

Comments:

[]



BMP 2.1 Public Outreach

2011

Reporting unit name

Reporting unit #

Does your agency perform Public Outreach programs?

The list of retail agencies your agency assists with public outreach

Please provide the name of Agency if not CUWCC Group1 members

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 Name
80	General water conservation information

Contact with the Media

The list of retail agencies your agency assists with public outreach

Please provide the name of Agency if not CUWCC Group1 members

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

Number of Media Contacts	Public Outreach Media Contact Name List
17	Television contacts
9	Radio contacts
40	Newspaper contacts
28	News releases



BMP 2.1 Public Outreach

2011

Wholesale Agency Website Updates

The list of retail agencies your agency assists with public outreach

California Water Service Company - Bakersfield, North of the River MWD - Retail

Please provide the name of Agency if not CUWCC Group1 members

City of Bakersfield, Art Chianello, achianel@bakersfieldcity.us
 East Niles Community Services District, Tim Ruiz, truib@eastnilescsd.org

Agency Website Updates

Enter your agency's URL (website address):

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

Press Releases that were posted during the year: "Delta Flow Criteria Report..." (7/10), "KCWA Reacts to SWP Initial Allocation" (11/10), "KCWA Celebrates 50 Years of Leadership..." (2/11), "KCWA Reflects on Importance of Groundwater..." (6/11).

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

Public Information Programs 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.

Annual Budget Category	Annual Budget Amount	Personal Cost Included?	Comments
Public Information	27000	V	

Public Information Expenses

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

Public Outreach Expense Category	Expense Amount	Personal Cost Included?
Personnel Costs	15224.82	V
Material Costs	3443.49	

Additional Public Information Program

Please report additional public information contacts. List these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important / effective listed first (where 1 = most important).

Were there additional Public Outreach efforts?

Public Outreach Additional Information

Public Information Additional Programs	Importance
The Agency participated in the Kern County Fair on September 25, 2010 to promote water conservation and provide basic education to the public.	1

Social Marketing Programs



BMP 2.1 Public Outreach

2011

Branding

Does your agency have a water conservation "brand," "theme" or mascot?

Yes

Describe the brand, theme or mascot.

The Agency's water conservation theme is "got water?"

Market Research

Have you sponsored or participated in market research to refine your message?

No

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee?

Yes

Enter the names of the community committees:

Water Association of Kern County

Training

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Partnering Programs

Name

Type of Program

CLCA?

Green Building Programs?

Master Gardeners?

Cooperative Extension?

Local Colleges?

Other

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

Partnering Programs - Newsletters

Number of newsletters per year

Number of customers per year

Partnering with Other Utilities

Describe other utilities your agency partners with, including electrical utilities

Conservation Gardens

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

Landscape contests or awards



BMP 2.1 Public Outreach

2011

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

Additional Programs supported by Agency but not mentioned above:

At Least As effective As

No

Exemption

No

0

Comments

We



BMP 2.1 Public Outreach

2012

Reporting unit name

Reporting unit #

Does your agency perform Public Outreach programs?

The list of retail agencies your agency assists with public outreach

Please provide the name of Agency if not CUWCC Group1 members

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 Name
74	General water conservation information

Contact with the Media

The list of retail agencies your agency assists with public outreach

Please provide the name of Agency if not CUWCC Group1 members

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

Number of Media Contacts	Public Outreach Media Contact Name List
7	Television contacts
17	Radio contacts
40	Newspaper contacts
19	News releases



BMP 2.1 Public Outreach

2012

Wholesale Agency Website Updates

The list of retail agencies your agency assists with public outreach

California Water Service Company - Bakersfield, North of the River MWD - Retail

Please provide the name of Agency if not CUWCC Group1 members

City of Bakersfield, Art Chianello, achianel@bakersfieldcity.us
 East Niles Community Services District, Tim Ruiz, truib@eastnilescsd.org

Agency 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:

"KCWA Statement of Federal Court Ruling Preventing Significant Water Losses," "KCWA Statement on New Report that Finds CA Agriculture is already Efficient in Water Management," "Decrease in Allocation Announced for SWP," "DWR Director Appointed..."

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

Public Information Programs 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.

Annual Budget Category	Annual Budget Amount	Personal Cost Included?	Comments
Public Information	18000	V	

Public Information Expenses

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

Public Outreach Expense Category	Expense Amount	Personal Cost Included?
Personnel Costs	4050	V
Material Costs	10739.14	

Additional Public Information Program

Please report additional public information contacts. List these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important / effective listed first (where 1 = most important).

Were there additional Public Outreach efforts?

Public Outreach Additional Information

Public Information Additional Programs	Importance
Agency's 50th Anniversary - Vision 2061 was an educational event held at Bakersfield College where federal, state and local leaders and stakeholder organizations came together to share reflections and generate ideas.	1

Social Marketing Programs



BMP 2.1 Public Outreach

2012

Branding

Does your agency have a water conservation "brand," "theme" or mascot?

No

Describe the brand, theme or mascot.

Market Research

Have you sponsored or participated in market research to refine your message?

No

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee?

No

Enter the names of the community committees:

Training

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Partnering Programs

Name

Type of Program

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

Partnering Programs - Newsletters

Number of newsletters per year

Number of customers per year

Partnering with Other Utilities

Describe other utilities your agency partners with, including electrical utilities

Conservation Gardens

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

Landscape contests or awards



BMP 2.1 Public Outreach

2012

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

Additional Programs supported by Agency but not mentioned above:

At Least As effective As

No

Exemption

No

0

Comments



WMP 2.2 School Education Programs 2011

Reporting unit name Reporting unit #
 /

Does your agency perform Public Outreach programs? Yes

The list of retail agencies your agency assists with school education programs

Please provide the name of Agency if not CUWCC Group1 members

Materials meet state education framework requirements? Description

Materials distributed to K-6 Students? Description

Number of students reached

Materials distributed to 7-12 Students? (optional) Description

Annual budget for school education program

Description of all other water supplier education programs

School Programs Activities

Classroom Presentation:

Number of presentation Number of attendees

Describe the topics covered in your classroom presentations:

Large group assemblies:

Number of presentation Number of attendees

Children's water festivals or other events:

Number of presentation Number of attendees

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

Number of presentation 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



WMP 2.2 School Education Programs 2011

1

3500

Water conservation contests such as poster and photo:

Description

1

Number of participants

9

Offer monetary awards/funding or scholarships to students:

Number offered

Total funding

Teacher training workshops:

Number of presentation

1

Number of attendees

9

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

Number of tours or fieldtrips

Number of participants

College internships in water conservation offered:

Number of internship

Total funding

Career Fairs / Workshops:

Number of presentation

Number of attendees

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

Description

Number of events

Number of participants

Comments

At Least As effective As

No

Exemption

No

0



WMP 2.2 School Education Programs 2012

Reporting unit name Reporting unit #
 /

Does your agency perform Public Outreach programs? Yes

The list of retail agencies your agency assists with school education programs

Please provide the name of Agency if not CUWCC Group1 members

Materials meet state education framework requirements? Description

Materials distributed to K-6 Students? Description

Number of students reached

Materials distributed to 7-12 Students? (optional) Description

Annual budget for school education program

Description of all other water supplier education programs

School Programs Activities

Classroom Presentation:

Number of presentation Number of attendees

Describe the topics covered in your classroom presentations:

Large group assemblies:

Number of presentation Number of attendees

Children's water festivals or other events:

Number of presentation Number of attendees

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

Number of presentation 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



WMP 2.2 School Education Programs 2012

Water conservation contests such as poster and photo:

Description Number of participants

Offer monetary awards/funding or scholarships to students:

Number offered

Total funding

Teacher training workshops:

Number of presentation

Number of attendees

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

Number of tours or fieldtrips

Number of participants

College internships in water conservation offered:

Number of internship

Total funding

Career Fairs / Workshops:

Number of presentation

Number of attendees

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

Description	Number of events	Number of participants
<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments

At Least As effective As

Exemption



Reporting Unit Name
Kern County Water Agency
Wholesale Only

Reporting Unit ID#: **141**

2011 Potable Water Sources

Service Area Population: 160000

Imported	AF / Year	Water Supply Type	Water Supply Description
State Water Project	82946.00	Surface	Municipal & Industrial and Agricultural Contract
	82946.00		



Reporting Unit Name
Kern County Water Agency
Wholesale Only

Reporting Unit ID#: **141**

2012 Potable Water Sources

Service Area Population: 160000

Imported	AF / Year	Water Supply Type	Water Supply Description
State Water Project	82946.00	Surface	Municipal & Industrial and Agricultural Contracts
	82946.00		



Reporting Unit Name
Kern County Water Agency
Wholesale Only

Reporting Unit ID#:
141

2011 Potable Water Uses

Billed:

CustomerType	Metered Accounts	Metered Water Delivered AF/Year	Un-Metered Accounts	Un-Metered Water Delivered AF/Year	Description
Other	4	32149.00			
	4	32149.00			

Un-Billed:



Reporting Unit Name
Kern County Water Agency
Wholesale Only

Reporting Unit ID#:
141

2012 Potable Water Uses

Billed:

CustomerType	Metered Accounts	Metered Water Delivered AF/Year	Un-Metered Accounts	Un-Metered Water Delivered AF/Year	Description
Other	4	38422.00			
	4	38422.00			

Un-Billed:

Appendix 1.6-C

KCWA ID4 Water Meter Self-Certification

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources
Funding Program name: 2014 IRWM Drought Solicitation Implementation Grant
Applicant (Agency name): Kern County Water Agency - Improvement District No. 4
Project Title (as shown on application form): Cross Valley Canal Extension Lining Project

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

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

James M. Beck

Name of Authorized Representative
(Please print)

General Manager

Title

Signature

7-17-14

Date

Appendix 1.6-D

BVWSD Water Meter Self-Certification

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources
Funding Program name: 2014 IRWM Drought Solicitation Implementation Grant
Applicant (Agency name): Buena Vista Water Storage District
Project Title (as shown on application form): Brackish Groundwater Recovery Project

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

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

MAURICE J. ETCHENNY [Signature]
Name of Authorized Representative Signature
(Please print)
ENGINEER - MANAGER 11 July 14
Title Date

Appendix 1.6-E

AEWSD Water Meter Self-Certification

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources

Funding Program name: 2014 IRWM Drought Solicitation Implementation Grant

Applicant (Agency name): Arvin-Edison Water Storage District

Project Title (as shown on application form): In-Lieu Program

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

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Steve C. Collup
Name of Authorized Representative
(Please print)

Signature

Engineer-Manager
Title

7/3/14
Date

Appendix 1.6-F

BCWD Water Meter Self-Certification

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources
Funding Program name: 2014 IRWM Drought Solicitation Implementation Grant
Applicant (Agency name): Buttonwillow County Water District
Project Title (as shown on application form): Water Main Replacement/Meter Install Project

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

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Heland Scott
Name of Authorized Representative
(Please print)

Heland Scott
Signature

Chairman of the Board
Title

7/1/2014
Date