



Board Members:

John S. Leung
Thomas Love
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December 12, 2014

Ms. Laura Peters
Department of Water Resources
Water – Energy Grant Program
P.O. Box 942836
Sacramento, Ca 94236

Darin Kasamoto
General Manager

Dave Johnson
Assistant Manager

RE: AB 1420 Self Certification Statement

Dear Ms. Peters:

San Gabriel Valley Municipal Water District (SGVMWD) is a wholesale water supplier that provides untreated State Water Project (SWP) water to replenish groundwater supplies of the Main San Gabriel Basin (Main Basin). Its member cities are the cities of Alhambra, Azusa, Monterey Park, and Sierra Madre.

Although SGVMWD does not have its own municipal water distribution system, SGVMWD owns and operates a pipeline (Devil Canyon-Azusa Pipeline) to deliver untreated SWP water to the Main Basin as supplemental water for any production in excess of Main Basin water rights by its member agencies.

SGVMWD is not a member of the California Urban Water Conservation Council (CUWCC) and therefore is not eligible to implement Best Management Practices (BMPs). However, SGVMWD works toward implementing cost-effective water conservation programs from the CUWCC associated Demand Management Measures (DMMs) applicable to Urban Water Wholesalers. As discussed with Department of Water Resources staff, it is our understanding that the Water-Energy Grant Program AB 1420 requirement may be satisfied with Self Certification Statement Tables 1 and 2 which were obtained through a link on the Water-Energy Grant Program website. As a wholesaler, SGVMWD must meet the CUWCC coverage requirements for BMPs 3, 7, 8, 10 and 12. For any BMP for which the CUWCC coverage requirements have not been met, an implementation schedule should be submitted with Table 2.

Attached are Tables 1 and 2 along with SGVMWD's Implementation Plan for BMP 3 which satisfies the Demand Management Measures eligibility compliance criteria as detailed in the "2014 Water-Energy Grant Program Guidelines and Proposal Solicitation Package."

Sincerely,

A handwritten signature in black ink that reads "Darin Kasamoto".

Darin Kasamoto
General Manager
San Gabriel Valley Municipal Water District

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															
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs															
✓	✓	BMP 7 Public Information		Yes		x								Yes		5/6/2014	Yes
✓	✓	BMP 8 School Education		Yes		x								Yes		5/6/2014	Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts															
✓	✓	BMP 10 Wholesale Agency Assistance Programs		Yes		x								Yes		5/6/2014	Yes
	✓	BMP 11 Conservation Pricing															
✓	✓	BMP 12 Conservation Coordinator		Yes		x								Yes		5/6/2014	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.

CUWCC 2010 File Track BMPs	BMPs required for Wholesaler 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)	Net 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
3.30		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs																
3.40		✓	BMP 14 Residential DLF 1 Replacement Programs																
4. Commercial, Industrial, Institutional																			
4.00		✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CI) Accounts																
5. Landscape																			
6.00		✓	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

San Gabriel Valley Municipal Water District

Best Management Practice 3 – Water Loss Control

Implementation Plan

1) Purpose:

San Gabriel Valley Municipal Water District (SGVMWD) is a wholesale water supplier that provides untreated State Water Project (SWP) water to replenish groundwater supplies of the Main San Gabriel Basin (Main Basin). Its member cities are the cities of Alhambra, Azusa, Monterey Park, and Sierra Madre.

Although SGVMWD does not have its own municipal water distribution system, SGVMWD owns and operates a pipeline (Devil Canyon-Azusa Pipeline) to deliver untreated SWP water to the Main Basin as supplemental water for any production in excess of Main Basin water rights by its member agencies. SGVMWD's Devil Canyon-Azusa Pipeline (DCAP) extends from the Devil Canyon Power Plant Afterbay located at the foot of the San Gabriel Mountains in the City of San Bernardino to the San Gabriel Canyon Spreading Grounds in Azusa. Imported water from the SWP powers turbines at the Devil Canyon Power Plant near Lake Silverwood, enters San Gabriel District's pipeline through a slide-gate at the Devil Canyon Power Plant Afterbay, and flows by gravity throughout the DCAP. Along the length of the DCAP are several turnouts including the San Dimas Turnout, Lytle Creek Turnout, a turnout to the San Gabriel Canyon Spreading Grounds and a turnout at Big Dalton Wash for delivery of water to the Citrus Spreading Grounds. SGVMWD staff routinely monitors/inspects the DCAP for leaks and repairs leaks when detected.

This Implementation Plan describes the steps SGVMWD plans to take in order to meet the Water – Energy Grant Program AB 1420 eligibility compliance criteria. SGVMWD is not a member of the California Urban Water Conservation Council (CUWCC) and therefore is not eligible to implement Best Management Practices (BMPs). However, SGVMWD works toward implementing cost-effective water conservation programs from the CUWCC associated Demand Management Measures (DMMs) applicable to Urban Water Wholesalers. As discussed with Department of Water Resources' staff, it is our understanding that the Water-Energy Grant Program AB 1420 requirement may be satisfied with Self Certification Statement Tables 1 and 2. As a wholesaler, SGVMWD must meet the CUWCC coverage requirements for BMPs 3, 7, 8, 10 and 12. SGVMWD currently meets the CUWCC coverage requirements for BMPs 7, 8, 10 and 12; however SGVMWD does not meet the CUWCC coverage requirements for BMP 3, specifically the utilization of the AWWA Free Water Audit Software.

BMP 3 (currently BMP 1.2) “Water Loss Control,” encourages water suppliers to increase the efficiency of utility operations and to determine the economic valuation of water losses to support water loss control activities. Agencies are expected to use the AWWA Free Water Audit Software (AWWA Software) to complete their standard water audit and water balance. SGVMWD plans to utilize the AWWA Software to analyze the efficiency of the DCAP and to determine the economic valuation of water losses associated with the DCAP to meet the CUWCC coverage requirements for BMP 3.

Pursuant to the “2014 Water-Energy Grant Program Guidelines and Proposal Solicitation Package,” the schedule, financing plan and budget to meet the CUWCC coverage requirements for BMP 3 are included below.

2) Schedule:

SGVMWD plans to begin implementation of BMP 3 on July 1, 2015 and complete Tasks 1 through 4 by September 1, 2015. Implementation will consist of the following actions, pursuant to the “Memorandum of Understanding Regarding Urban Water Conservation in California,” amended September 14, 2011:

1. Standard Water Audit and Water Balance. The current volume of apparent and real water losses through the DCAP, including the cost impact of these losses on SGVMWD operations, will be quantified through utilization of the AWWA Software on an annual basis.
2. Validation. A validated data set will be developed for all entries of the water audit and balance based on four years of DCAP operations data. Data validation will follow the methods suggested by the AWWA Software to improve the accuracy of the quantities for real and apparent losses through the DCAP.
3. Economic Values. The economic value of real loss recovery will be based on the avoided cost of water as calculated by CUWCC’s adopted Avoided Cost Model which is included in the AWWA Software.
4. Component Analysis. A component analysis will be conducted once every four years, beginning July 1, 2015, as a means to analyze apparent and real losses through the DCAP and their causes by quantity and type. The goal is to identify volumes of water loss, the cause of the water loss, and the value of the water loss for each component of the DCAP. SGVMWD plans to use the Component Analysis tool developed by the Water Research Foundation in partnership with the EPA and Water Systems Optimization to analyze apparent and real losses through the DCAP.

For Tasks 1 through 4, SGVMWD’s engineering consultant will gather the required data and insert the data into the AWWA Free Water Audit Software. SGVMWD’s engineering consultant will also conduct a component analysis once every four years. SGVMWD’s engineering consultant will prepare a report summarizing the findings and will submit the report annually to SGVMWD.

5. Interventions. Real losses will be reduced to the extent cost effective. SGVMWD staff regularly monitor for DCAP leaks.
6. Customer Leaks. SGVMWD is a wholesaler; therefore this requirement does not apply to SGVMWD.

3) Financing Plan:

Funds to finance this plan will be included in SGVMWD’s fiscal year 2015/16 Water Conservation budget.

4) Budget:

SGVMWD budgets for staff to regularly monitor the DCAP for leaks. In addition, SGVMWD staff will spend approximately 8 to 12 hours annually out of budgeted salaries to complete the tasks associated with

this plan. In addition, SGVMWD's engineering consultant will complete the information required for the AWWA Free Water Audit Software with an approximate budget of \$2,500 per year and \$5,000 once every four years.