This presentation premiered at WaterSmart Innovations

watersmartinnovations.com



BMP Reporting System Update



Collecting California
Water Conservation
Data Collaboratively

Beth Ernsberger
Database/Website Administrator



Council Background

- Created in 1991 in response to CA drought
- Regulatory initiative by State Water Resources Control Board
- Environmental organizations and water suppliers entered into agreement
- "Memorandum of Understanding Regarding Water Conservation in California" (MOU)
- List of water conservation Best Management Practices (BMPs)





1997:

- BMPs were revised from 16 to 14 BMPs
- Created 10-year program goals

2008:

- End of ten year timeframe (1998-2008)
- Incorporated new technologies and water efficiency practices
- BMPs grouped by topic; revised from 14 to 5 BMPs





BMP 1 Utility Operations

- BMP 1.1 Operations Practices
 - BMP 1.1.1. Conservation Coordinator (formerly BMP 12)
 - BMP 1.1.2. Water Waste Prevention (formerly BMP 13)
 - BMP 1.1.3. Wholesale Agency Assistance (formerly BMP 10)
- BMP 1.2. Water Loss Control (formerly BMP 3)
- BMP 1.3. Metering with Commodity Rates (formerly BMP 4)
- BMP 1.4. Retail Conservation Pricing (formerly BMP 11)

BMP 2 Educational

- BMP 2.1. Public Information (formerly BMP 7)
- BMP 2.2. School Education (formerly BMP 8)





- BMP 3 Residential
 - BMP 3.1. Residential Assistance (formerly BMPs 1 & 2)
 - BMP 3.2. Landscape Water Survey (formerly BMP 1)
 - BMP 3.4. High-Efficiency Clothes Washers (formerly BMP 6)
 - BMP 3.4. Water Sense Standard (WSS) Toilets (formerly BMP 14)
 - BMP 3.5. Water Sense Standard (WSS) for New Residential Development (new)
- BMP 4 Commercial Industrial Institutional (CII) (formerly BMP 9)
- BMP 5 Landscape





Three methods to receive credit for BMP water conservation programs:

- Traditional BMP implementation as written in the MOU
- 2. Flex Track measures which achieve equal or greater water savings than BMP program implementation
- Gallons Per Capita per Day (GPCD) water use reduction over 10-year period



Traditional BMPs

- "Widgets" based
- Agencies accomplish specific measures
- Example:

BMP 3.1. Residential assistance program

 Provide assistance to average of 1.5% per year of current single family accounts and 1.5% per year of current multi-family units





- Water savings equal to or greater than BMP measure water savings
- Flex Track Menu
- Allows agencies to implement the right programs for their service area
- Only applies to Programmatic BMPs (Residential, CII, Landscape)





- Overall water savings:
 - BMP list
 - Flex Track Menu
 - Foundational BMPs
- In line with statewide 20X2020 water savings targets





- Water suppliers agree to submit online reports on water conservation programs
- MOU revision necessitated new report forms
- Legacy system needed standardization
- Opportunity for improved data consistency (e.g. AWWA Water Loss Model)
- Integrated other state and federal agency data needs





- Comprised of local, state, federal interests
 - Council members (water agencies, environmental groups, other interested parties)
 - CA Department of Water Resources
 - U.S. Bureau of Reclamation
 - CA Public Utilities Commission
- Analyzed the new MOU requirements
- Designed the best way to capture data necessary to meet needs of all parties





- Eligibility for urban water management grants or loans from:
 - CA Dept of Water Resource
 - State Water Resources Control Board
 - CA Bay-Delta Authority
- Dependent upon agencies meeting the BMP standards





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 StatementTable 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, theFunding 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			Title of Signatory					Signature of signatory				Date						
	Applicat	Ion Date	:																
	Proposal I	dentificati	on Number:			ī	CUWCC M		Г										
							•												
	Has Urban	Water Su	pplier submitted a 20	ement Plar	n? Yes/No			is the UWM Plan Deemed Complete by DWR? Yes/No											
	Applicant	Name:																	
	Project 1																		
	<u> </u>										,				1				
											L	Phone:			E-mail:				
	Participan	Participants: Retailer (List Below)									Wholesaler (List Below)								
		nwaller (List Delvis)							Windlesder (List Devon)										
C1	C2	C3	C4	C5	*C6	C7	C8	"C9	"C10	C11	C12	C13	C14	C15	C16	C17	C18		
				ВМР	Implement	ed by	Compliance												
		Options/Alternative						BMP	Is Exemp	ot (2)	BMP Implementation Requirements Met								
		/ BMP Conservation Approaches																	
								1.7				>	_				1		
												Authority							
										9.0	p.	2			Date of BMP				
	BMPs									Bředive	ack of Funding	8	MOU	CUMCC MOU	Report	1	All Supporting		
	required	BMPs							Gallons	w w	2	3	Requirement	Requirement	Submitted to	Date BMP Implementation	Documents		
	for Wholesale	required for Retail		Retailer	Wholesaler	Regional	BMP		Per Capita Per Day	8	Š	y o	Met: Retailer	Met: Wholespler	CUWCC for (2007-2008)	Data Submitted to DWR in CUWCC Format (Non MOU	have been Submitted		
	Supplier	Supplier	BMPs	Yes/No	Yes/No	Yes/No		Flex Track	GPCD	25	283	Lack of	Yes/No	YesiNo		Signatories) (3)	Yes/No		
	Capping	Опрупи	BMP 1 Water Survey																
			for Single/Multi-																
		,	Family Residential																
		*	Customers																
		1	BMP 2 Residential Plumbing Retroft																
			BMP 3 System Water																
			Audits, Leak																
	/	/	Detection																
	/	/	BMP 3 Leak Repairs																
			BMP 4 Metering with Commodity Rates for																
		/	All New connections																
			BMP 4 Retrofit of																
		1	Existing Connections																





- View status of input forms and DWR review
- Print individual input forms or entire reports
- Status checkboxes to indicate DWR report review
- Notification e-mails sent upon DWR report review
- User account and submitted report management
- Queries and sub-queries to determine
 - Which agencies have not submitted data
 - Reports not checked by DWR
- AB 1420 Compliance reports





PLACEHOLDER



SBx7-7

- Legislated goal of reducing per capita urban water use by 20% by December 31, 2020
- DWR, in consultation with CUWCC, tasked to develop technical methodologies and criteria
- In process of developing GPCD target methodology #4

GPCD Model

Release Date: Nov 5, 2008 This spreadsheet-based GPCD calculator is designed to help quantify and track water uses associated with water distribution systems. The spreadsheet contains several separate work sheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons on the left below. Descriptions of each sheet are also given below. It should be noted that all the recorded data should be from actual metered results and should not include any estimates. All parties reserve the right to validate the data recorded in this document. This does not bind the OSE or the Utility to the results. It is a tool used for planning purposes. Guidance on completing the worksheet canbe found by hoversing the mouse over cells Value to be entered by user Instructions with a red border and red triangle in the upper THE FOLLOWING KEY APPLIES right corner Dropdown box, pick from list THROUGHOUT: Value calculated based on input data No data entry required Please begin by providing the following information, then proceed through each sheet in the workbook; NAME OF CITY OR UTILITY: New Mexico. MOST RECENT REPORTING YEARS: FROM: 2007 TO: 2001 NAME OF CONTACT PERSON: E-MAIL TELEPHONE: NOTE: ALL DATA MUST BE ENTERED IN GALLONS For Cubic feet converter click here click below to access the following: Instructions This sheet Census Data Census data and the portal to get the data from the Census website Single-Family Single-Family residential gallons and population Multi-Family residential gallons and population Multi-Famile ICI & Other Metered Other data including Commercial, Industrial and Institutional [1.3] and Other metered [1.4] categories Reuse Data related to water reuse projects **Total Diverted** Total Production and Diverted Water Reported Data The calculated data graphical review of most common performance indicators The calculated data graphical review of annual performance indicators



12

13

10

19

21

23

---26

28

30

31

VL.

33

34 35 36

38

39

41

43

45

47

49

51

53

55

57





- Central Valley Project Improvement Act of 1992
 - Applies to both Agriculture and Urban water service contractors
 - Requires Water Management Plans that meet Water Conservation and Efficiency Criteria
- Urban water contractors file annual updates to their WMPs via the Council's reporting website







- View status of input forms and USBR review
- Print individual input forms or entire reports
- Status checkboxes to indicate report review by area offices and regional office
- Notification e-mails sent upon USBR report review
- User account and submitted report management
- Queries and sub-queries to determine
 - Which contractors have not submitted data
 - Reports not reviewed by USBR





PLACEHOLDER



CPUC

- CPUC staff participated in the Database Advisory Committee
- CPUC and CUWCC in discussions to incorporate CPUC data needs into the new BMP reporting system





- Multiple reporting options expand agency flexibility in tracking water conservation programs
- New reporting system developed with input from Council members, local, state and federal agencies
- Agencies spend less time filing reports and can meet the requirements of multiple agencies at one time
- California assisted in meeting broader water conservation goals



Questions?

For additional information:

Beth Ernsberger (916) 552-5885 x14 beth@cuwcc.org