

Appendix A - Assumptions for Water Conservation Measures Evaluated in the DSS Model

Measure	BMP 1a	BMP 1a	BMP 1b	BMP 1b	BMP 2 Plumbing
	Residential Audits	Residential Audits	Residential Audits	Residential Audits	Retrofits
Account Category	RSF	RMF	RSF	RMF	RSF / RMF
Affected End Uses	Internal	Internal	External	External	Toilets, Faucets, Showers
Percent Reduction in Water Use	5%	5%	10%	10%	5%/5%/21%
CUWCC MOU Sign-on Year	2002	2002	2002	2002	2002
Evaluation Start Year	2005	2005	2005	2005	2005
Required Interventions Starting in 2005 (Accounts)	1148	75	1148	75	0/0
Market Penetration by End Of Program,%	15	15	15	15	75
Measure Life (years)	7	7	7	7	permanent
Initial Cost	\$ -	\$ -	\$ -	\$ -	\$ -
Utility Unit Cost, per site one time cost	\$ 40.00	\$ 80.00	\$ 40.00	\$ 50.00	\$ 30.00
Customer Unit Cost to achieve savings	\$ 10.00	\$ 30.00	\$ 5.00	\$ 20.00	\$ 0
Administration Cost, percent of unit cost	25%	25%	25%	25%	10%
Affected Units	dwelling unit	dwelling unit	dwelling unit	dwelling unit	1992 and older dwelling units
Comments	Assume audits are renewed every 7 years to maintain water savings				BMP Complete

Notes:

RSF = Residential Single Family

RMF = Residential Multi Family

BUS/COM= Commercial

IND = Industrial

IRR = Dedicated irrigation meters

INS = Institutional/Public, buildings / grounds owned by the Water Utility or City

NRSF = New Single Family Homes

GOV = Government

Measure	BMP 5a Water Budgets	BMP 5b Water Audits	BMP 6 Washer Rebates	BMP 7 Public Education	BMP 9 CII Audits	BMP 14 Toilet Rebates
Account Category	IRR	IND	RSF	RSF/RMF	COM	RSF/RMF
Affected End Uses	Irrigation	Irrigation	Laundry	All	All	Internal
Percent Reduction in Water Use	15%	15%	34%	1%	12%	60%
CUWCC MOU Sign-on Year	2002	2002	2002	2002	2002	2002
Evaluation Start Year	2005	2005	2005	2005	2005	2005
Required Interventions Starting in 2005 (Accounts)	65	0	0	7,655	6	241/20
Market Penetration by End Of Program, %	90	15	4.8	100	34	Match resale rate
Measure Life (years)	10	10	permanent	2	permanent	permanent
Initial Cost	\$ -	\$ -	\$ -	\$ -	\$ -	NA
Utility Unit Cost, per site one time cost	\$ 400.00	\$ 1,500.00	\$ 75.00	\$ 2.50	\$ 4,000.00	\$50
Customer Unit Cost to achieve savings	\$ -	\$ 1,000.00	\$ 200.00	\$ -	\$ 2,000.00	\$75
Administration Cost, percent of unit cost	15%	30%	30%	25%	50%	included
Affected Units	Irrigation accounts	large landscape accounts	per dwelling unit	per dwelling unit	CII accounts	per toilet
Comments	Assume audits are renewed every 10 years to maintain water savings		BMP 6 complete			Complete in 2010

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Measure	T2 - 1	T2 - 2	T2 - 3	T2 - 4	T2 - 5a	T2 - 5b	T2 - 6
	Rain-sensor (shut off device) retrofit on irrigation controllers	Cash for Grass (turf removal program)	Financial Incentives for Being Below Water Budget	Financial Rebates for Irrigation Meters	Smart Irrigation Controller Rebates	Smart Irrigation Controller Rebates	Financial Incentives/ Rebates for Irrigation Upgrades
Applicable Customer Classes	SF	Existing Customers SF, MF, CII	IRR	Existing CII Customers with mixed water use (indoor and outdoor)	SF	Existing Customers MF, CII, IRR	Existing Customers MF, CII, IRR
Applicable End Uses	Irrigation	Irrigation	Irrigation	Irrigation	Irrigation	Irrigation	Irrigation
Market Penetration by End Of Program	10%	1%	100%	10%	5%	20%	10%
Water Use Reductions For Targeted End Uses	9%	39%	15%	15%	15%	15%	15%
Program Length, years	5	5	10	5	10	10	15
Measure Life, years	10	permanent	permanent	permanent	21	permanent	permanent
Utility Unit Cost for SFaccounts, \$/unit	\$ 20.00	\$ 500.00	\$ 25,000.00	\$ -	\$ 450.00	\$ -	\$ -
Utility Unit Cost for MF accounts, \$/unit	--	\$ 500.00	\$ -	\$ -	\$ -	\$ 900.00	\$ -
Utility Unit Cost for non-Res accounts, \$/unit	--	\$ 500.00	\$ -	\$ 500.00	\$ -	\$ 900.00	\$ 500.00
Customer Unit Cost. \$/unit	\$ 35.00	\$ 500.00	\$ 3,333.33	\$ 500.00	\$ 100.00	\$ 100.00	\$ 500.00
Annual Utility Admin & Marketing Cost	25%	25%	35%	25%	30%	30%	25%

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Measure	T2 - 7	T2 - 10	T2 - 12	T2 - 13
	Hotel retrofit (w/financial assistance) - CII Existing	High Efficiency Toilet (HET)	CII Rebates - replace inefficient water using equipment	0.5 gal/flush urinals in new buildings
Applicable Customer Classes	Existing Customers: CII	SF, MF	CII	COM New
Applicable End Uses	Indoor uses	Toilet end use	Process end use	COM Urinal
Market Penetration by End Of Program	20%	20%	10%	100%
Water Use Reductions For Targeted End Uses	20%	45 to 55%	10%	65 to 75%
Program Length, years	15	10	15	30
Measure Life, years	permanent	permanent	permanent	permanent
Utility Unit Cost for SF accounts, \$/unit	\$ -	\$ 150.00		\$ 50.00
Utility Unit Cost for MF accounts, \$/unit	\$ -	\$ 150.00		
Utility Unit Cost for non-Res accounts, \$/unit	\$ 100.00		\$ 500.00	
Customer Unit Cost. \$/unit	\$ 200.00	\$ 150.00	\$ 1,000.00	\$ 500.00
Annual Utility Admin & Marketing Cost	25%	35%	30%	25%

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Measure	ND 1	ND 2	ND 3	ND 4	ND 5	ND 6	ND 7	ND 8
	Rain-sensor shut off device on irrigation controllers	Smart Irrigation Controller	High Efficiency Toilet (HET)	Dishwasher New Efficient	Clothes washing machines requirement for new residential	Hot Water on Demand	High efficiency faucets and showerheads	Landscape and irrigation requirements
Applicable Customer Classes*	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies
Applicable End Uses	Irrigation	Irrigation	Toilet end use	Dishwasher end use	Clothes Washer end use	Faucet and shower end use	Faucet and shower end use	Irrigation
Market Penetration by End Of Program	100%	100%	100%	100%	100%	100%	100%	100%
Water Use Reductions For Targeted End Uses	9%	15%	50 to 55%	34%	50%	14.2 gpd per house	15%	10%
Program Length, years	30	30	30	30	30	30	30	30
Measure Life, years	permanent	permanent	permanent	permanent	permanent	permanent	permanent	permanent
Utility Unit Cost for SFaccounts, \$/unit	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
Utility Unit Cost for MF accounts, \$/unit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utility Unit Cost for non-Res accounts, \$/unit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer Unit Cost. \$/unit	\$ 55.00	\$ 500.00	\$ 300.00	\$ 400.00	\$ 500.00	\$ 700.00	\$ 50.00	\$ 3,000.00
Annual Utility Admin & Marketing Cost	10%	10%	10%	10%	10%	10%	10%	10%

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*Customer class varies depending upon local ordinances, Cal Green and contractor request of new measure or planned ordinances

Measure	Fixture Replacement SB 407	Require MF Submetering on New Accounts	Require MF Submetering on Existing Accounts
Applicable Customer Classes	Pre-1994 Existing Accounts	New MF (5 or more units)	MF/Condo
Applicable End Uses	Toilet, urinal, shower, lavatory faucet	Indoor	Indoor/outdoor
Market Penetration by End Of Program (%)	4% SF, 2% MF and CII	100% of new	20% of existing
Annual Market Penetration (% of accounts)	1% 2017-2020 SF, 1% 2019-2020 MF, 1% CII 2019-2020	100% of new	2% of existing
Water Use Reductions For Targeted End Uses	Varies	15%	15%
Evaluation Start Year	2014	2005	2012
Evaluation End Year	2020	2035	2022
Program Length, years	7	30	10
Measure Life, years	Permanent	Permanent	Permanent
Utility Unit Cost for SF accounts, \$/unit	\$ 25	\$ -	\$ -
Utility Unit Cost for MF accounts, \$/unit	\$ 25	\$ 25.00	\$ 25.00
Utility Unit Cost for non-Res accounts, \$/unit	\$ 25	\$ -	
Customer Unit Cost. \$/SF unit	Varies		
Customer Unit Cost. \$/MF unit	Varies	\$ 3,000.00	\$ 400.00
Customer Unit Cost. \$/CII unit	Varies	0%	0%
Annual Utility Admin & Marketing Cost	25%	30%	30%
Affected Units (used for Cost calculations)	Dwelling unit or CII account	dwelling unit	dwelling unit
Comments	Measure will start in the year 2017 (SF) and 2019 (CII) to coincide with the California State Law SB 407. Work with the real estate industry to require a certificate of compliance be submitted to the City that the property and efficient fixtures where either already there or were installed at the time of sale, before close of escrow. Consider allowing this certification to be made as a part of the conventional private building inspection report process.		10 year Grant Program

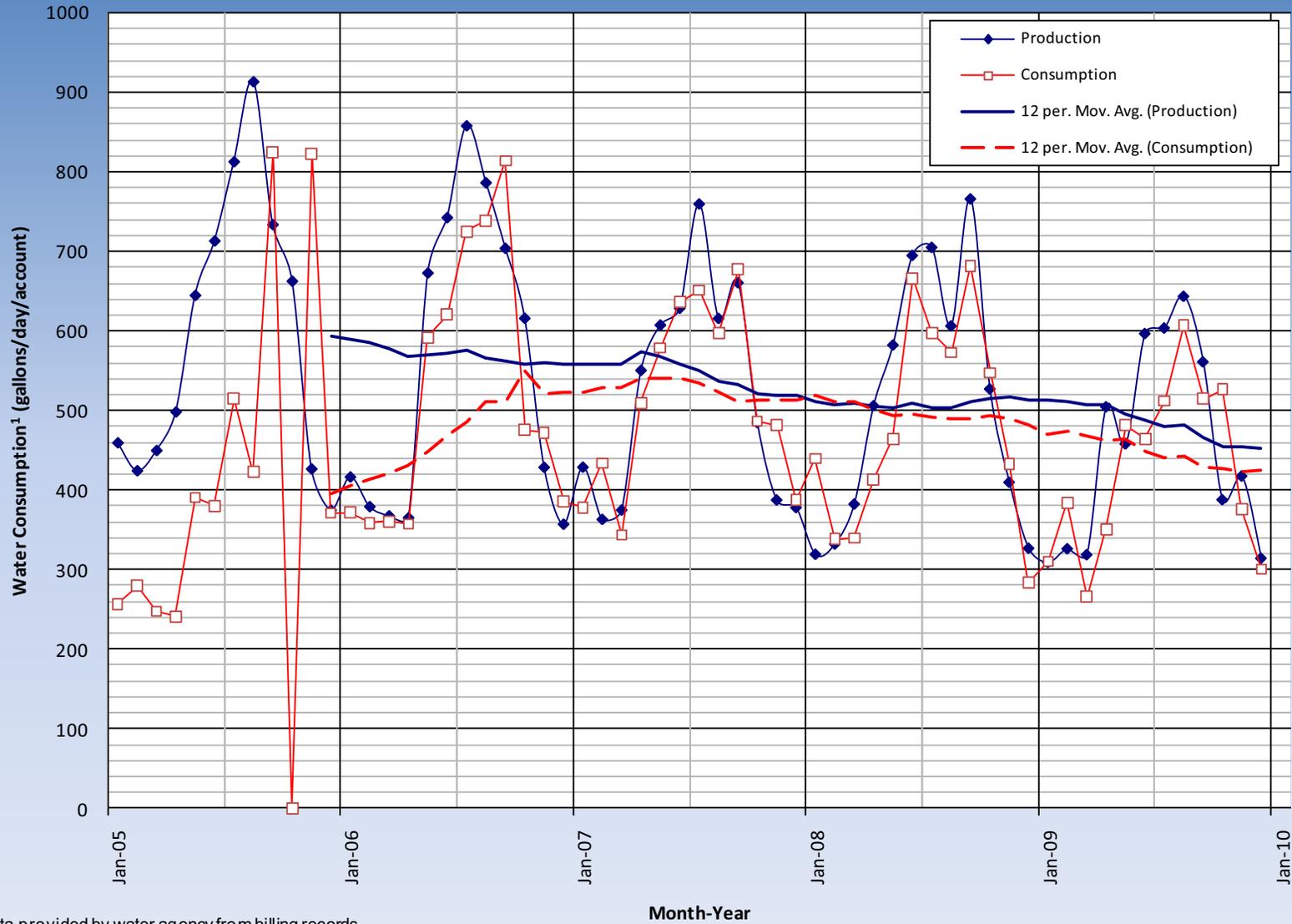
Notes:

RMF = Residential Multi Family

CII = Commercial, Industrial and Institutional

Appendix B - Water Use Data Graphs for Production and Customer Categories

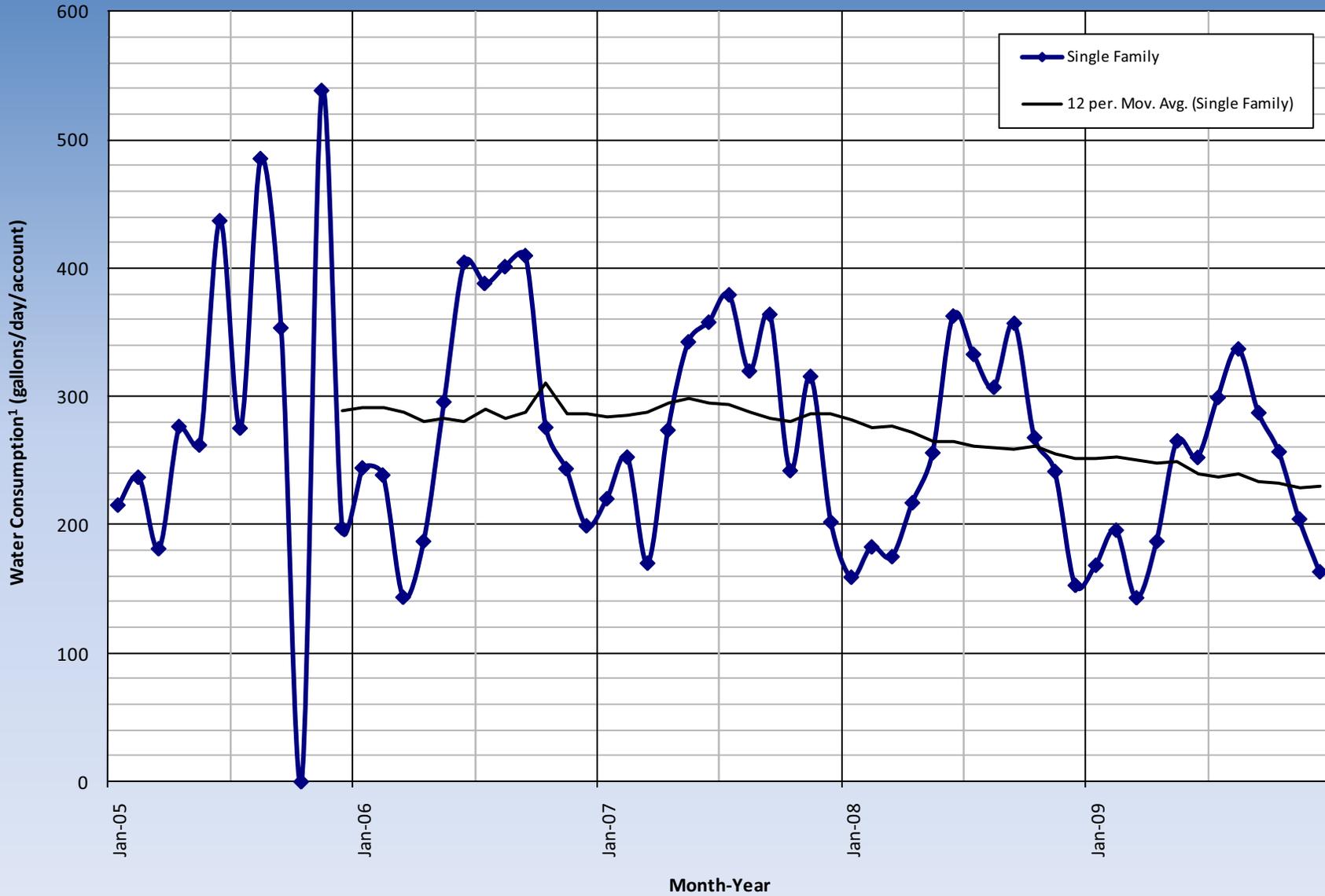
CITY OF ROHNERT PARK Water Production vs Water Consumption



1 - Data provided by water agency from billing records

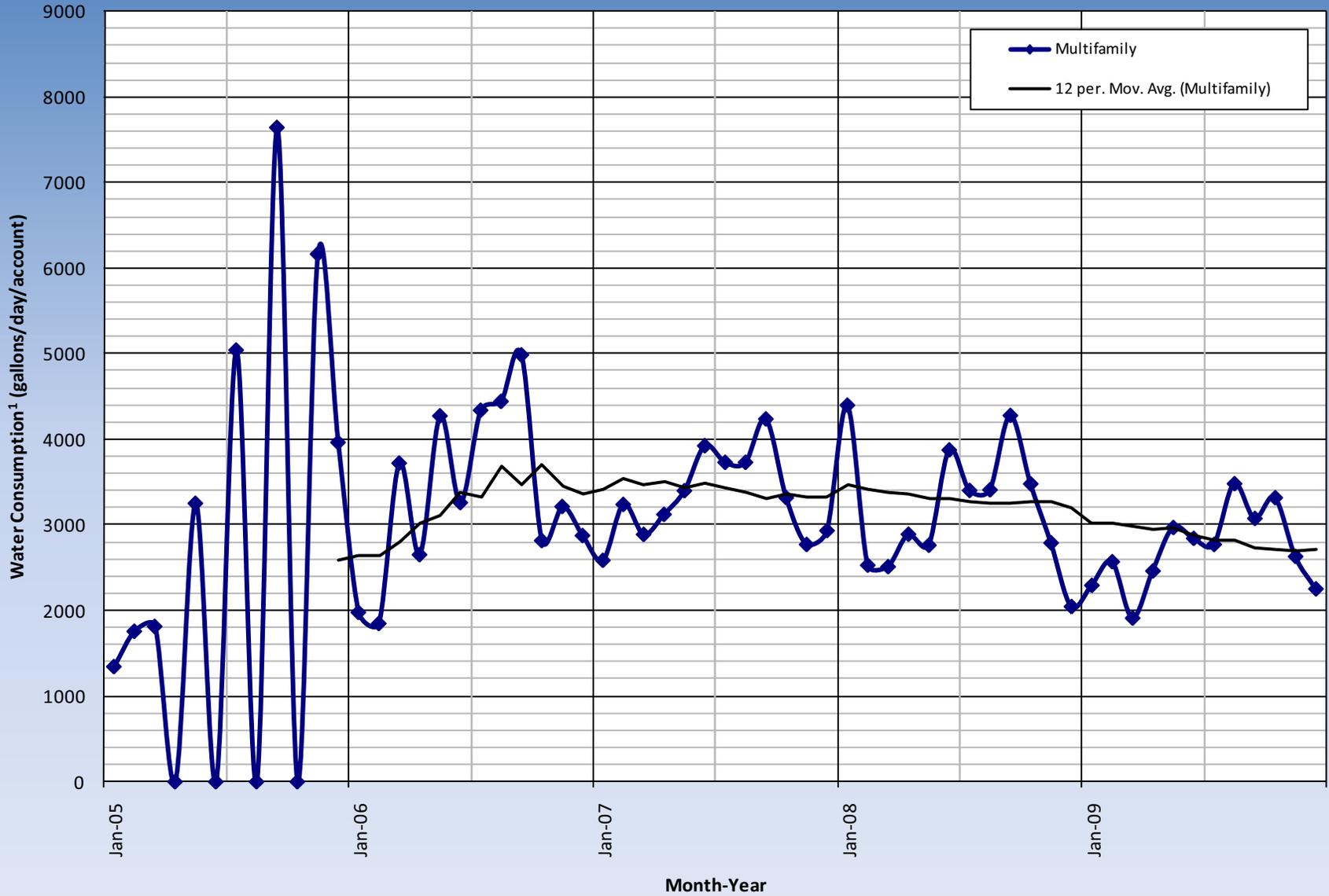
CITY OF ROHNERT PARK

Customer Category : Single Family Residential



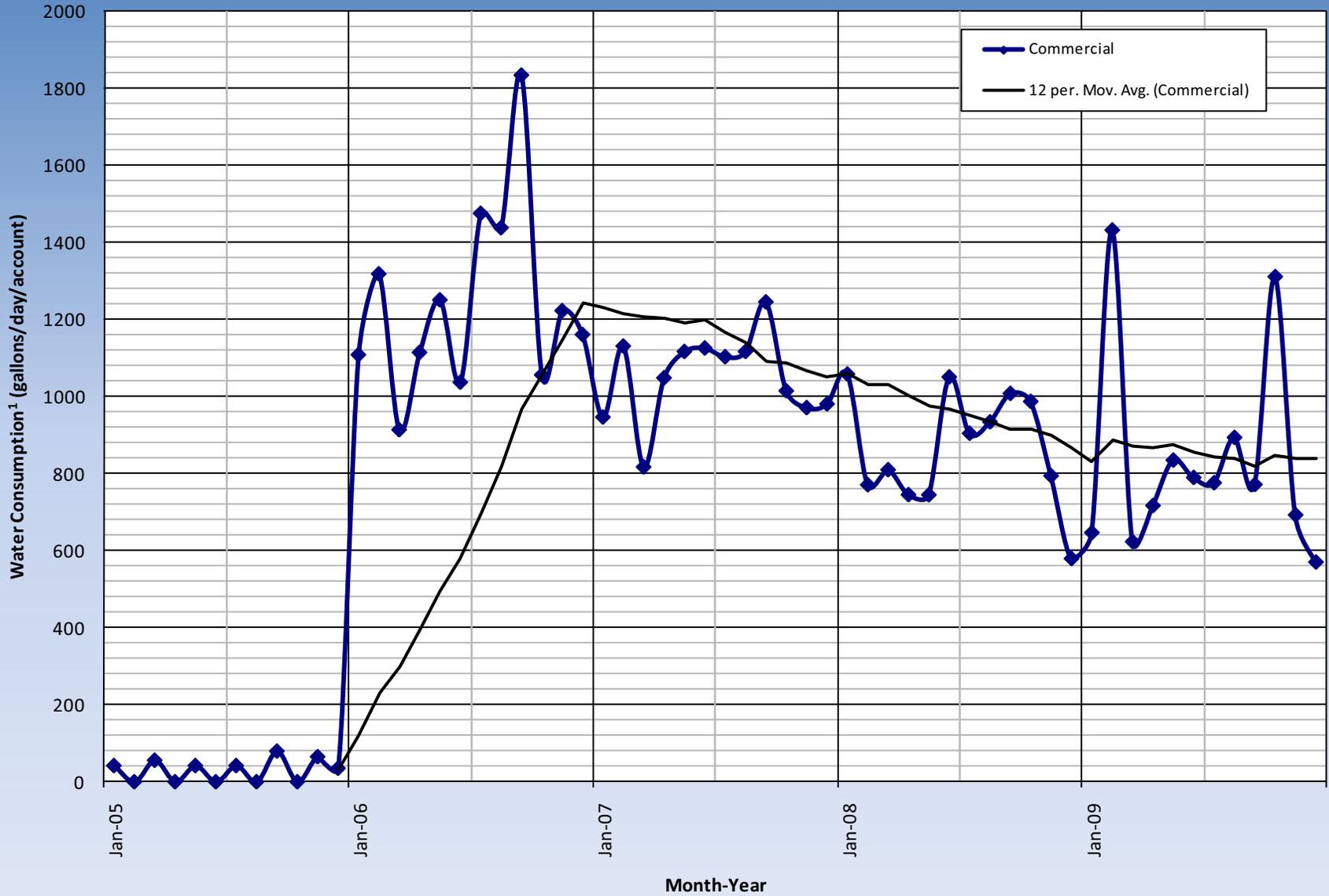
1 - Data provided by water agency from billing records

CITY OF ROHNERT PARK Customer Category : Multifamily Residential



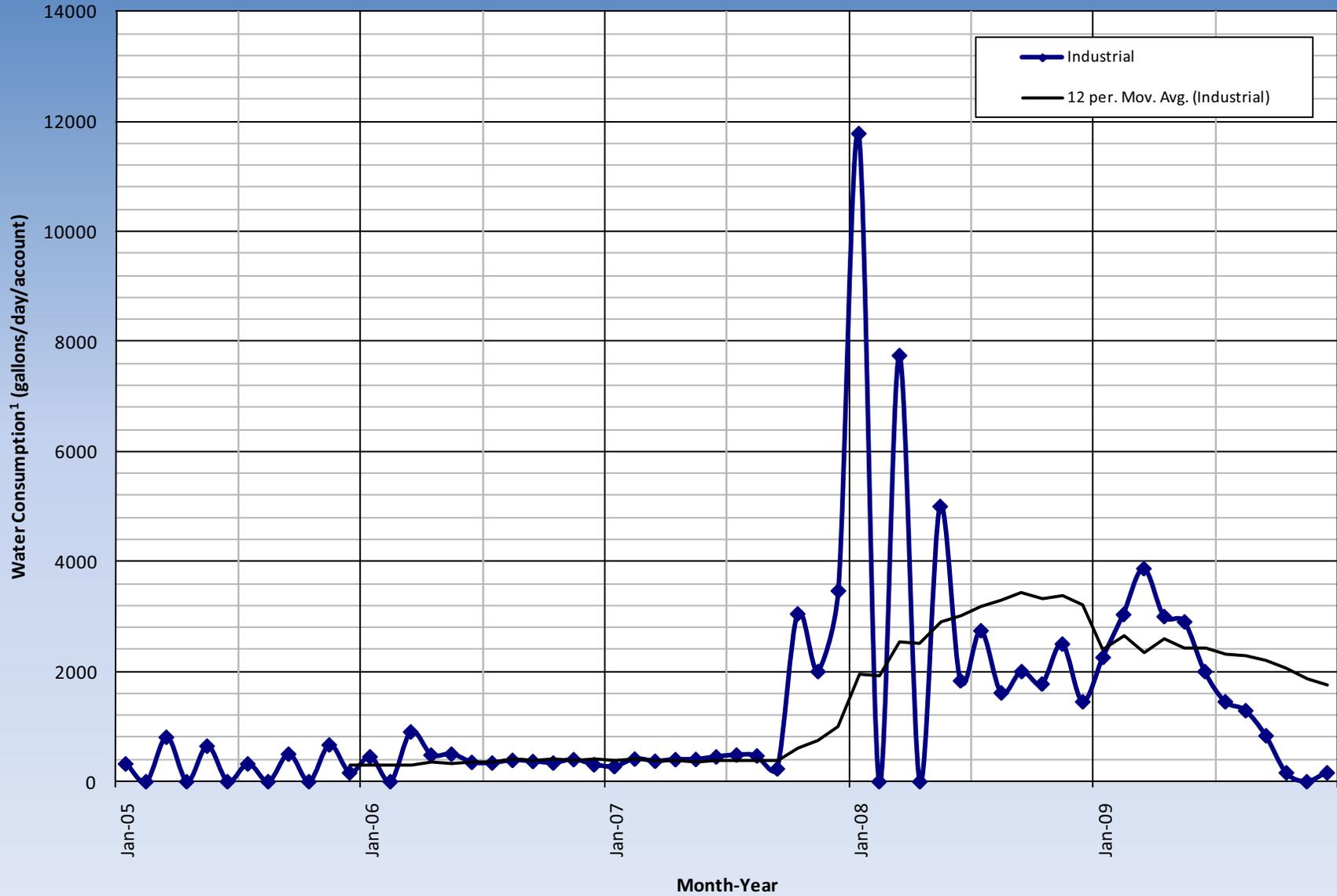
1 - Data provided by water agency from billing records

CITY OF ROHNERT PARK Customer Category : Commercial



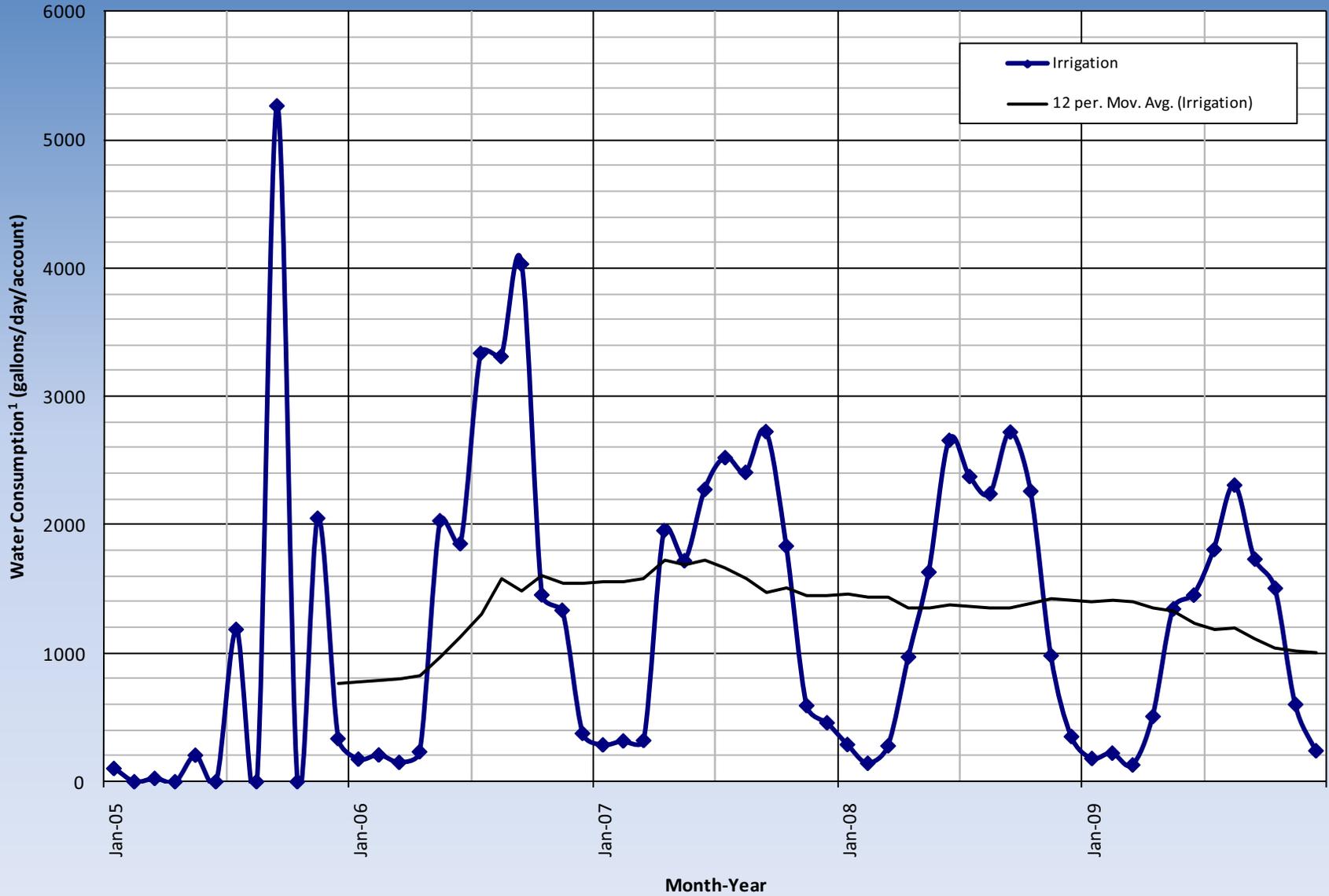
1 - Data provided by water agency from billing records

CITY OF ROHNERT PARK Customer Category : Industrial



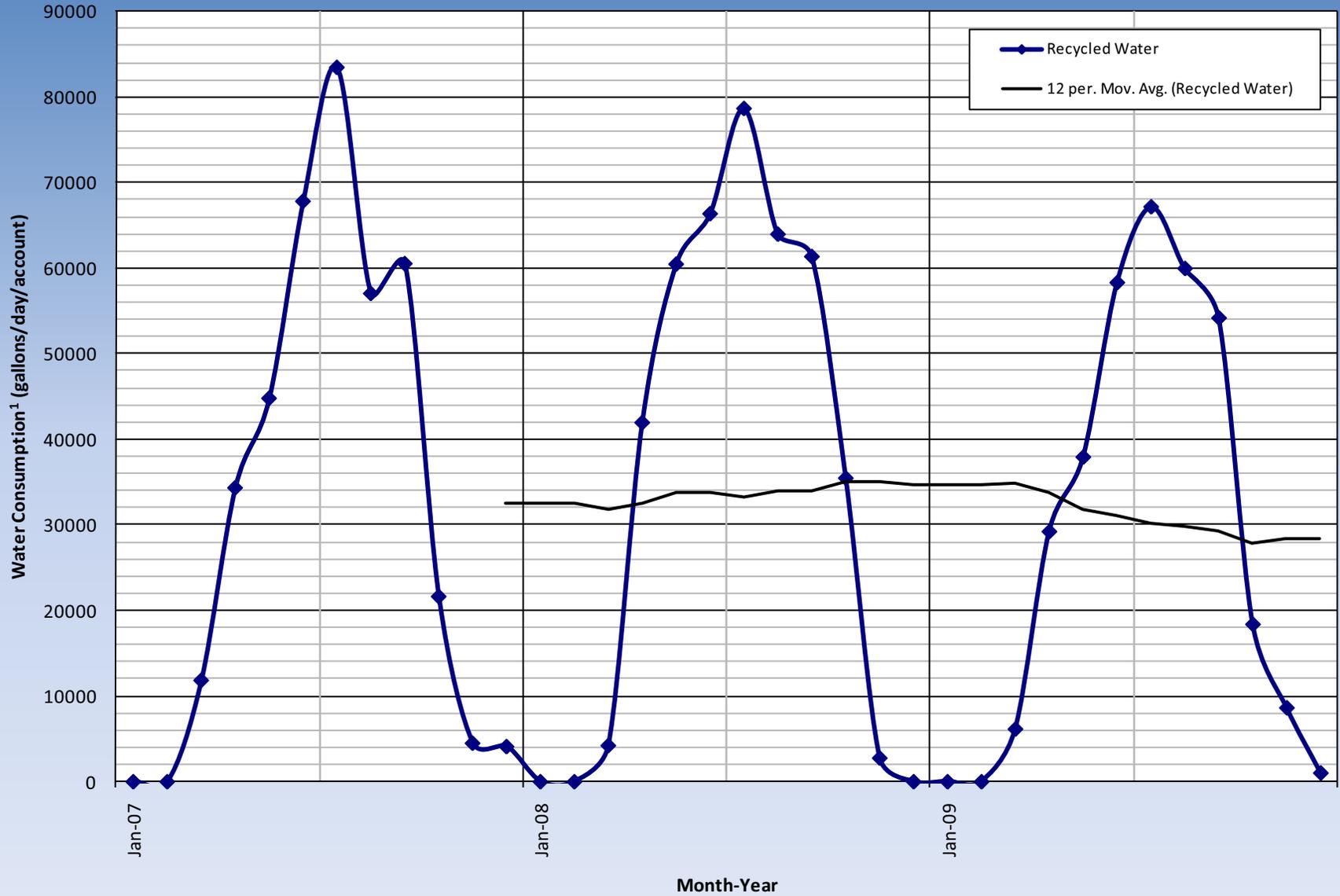
1 - Data provided by water agency from billing records

CITY OF ROHNERT PARK Customer Category : Irrigation



1 - Data provided by water agency from billing records

CITY OF ROHNERT PARK Customer Category : Recycled Water



1 - Data provided by water agency from billing records

Regional Alliance Baseline and Water Use Target Calculations for the Sonoma County Water Agency Water Contractors

Senate Bill x7-7, the Water Conservation Act, was signed into law in 2009. The legislation set a goal of 20% reduction in statewide urban per capita water use and requires urban water retailers that must comply with the Urban Water Management Planning Act to set a 2020 urban per capita water use target.

The legislation provides that urban water retail suppliers may plan, comply, and report on the 2020 urban per capita water use target on a regional basis, an individual basis, or both.

10608.20. (a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

10608.28. (a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

- (1) Through an urban wholesale water supplier.*
- (2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31(commencing with Section 81300)).*
- (3) Through a regional water management group as defined in Section 10537.*
- (4) By an integrated regional water management funding area.*
- (5) By hydrologic region.*
- (6) Through other appropriate geographic scales for which computation methods have been developed by the department.*

(b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

Regional Alliance Baseline and Target Calculation

Per Department of Water Resources Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use (DWR Methodologies), the Water Contractors of the Sonoma County Water Agency (Water Contractors) are eligible to form a regional alliance because we are recipients of water from a common wholesale water supplier.

Per the DWR Methodologies, there are three options for calculating a regional alliance target. The first option is for each member of the regional alliance to calculate their individual target and then weight the individual targets by each member's population. The weighted targets are then averaged to determine the regional alliance target. Current population data can be used for generating the regional target.

The second option is to sum up each member's gross water use and service area populations to develop a regional gross water use and population. A base daily per capita water use would be calculated and a target would be calculated using one of the following four methods:

1. 80% of the regional alliance's baseline per capita daily water use;

2. Performance standards of 55 gallons per capita per day for indoor water use, water efficiency equivalent to the Model Water Efficient Landscape Ordinance for landscapes irrigated through dedicated or residential meters, and a 10% reduction in Commercial, Industrial, Institutional water use;
3. 95% of the applicable state hydrologic region target as set forth in the State's 20x2020 Water Conservation Plan. If the area includes more than one hydrologic region, the area should be apportioned to each region based on population or area; or
4. Provisional Target Method 4 developed by DWR.

Alliances must have all of their members use the same baseline period.

The third option is to calculate regional gross water use or population directly for the entire regional alliance area. A base daily per capita water use would be calculated and a target would be calculated using one of the four methods listed above. As with the second option, alliances must have all of their members use the same baseline period. The regional target may not exceed 95% of the region's 5-year Base Daily Per Capita Water Use.

The data to calculate the third option is not easily available. Therefore, option 1 and option 2 were used for calculating a regional target for the Water Contractors. Upon review and evaluation, the Water Contractors are recommending option 1, below, for calculating the regional target.

Option 1 - Target

SCWA Service Area Regional 2020 Targets (DWR Methodology # 9)

SCWA Water Contractor	2015			2020		
	Current Population*	Water Contractor Staff Recommended Individual GPCD Target**	Product of Individual Population Size and GPCD Target [(1) x (2)]	Current Population	Water Contractor Staff Recommended Individual GPCD Target**	Product of Individual Population Size and GPCD Target [(1) x (2)]
	(1)	(2)	(3)	(1)	(2)	(3)
Santa Rosa	163,436	136	22,227,296	163,436	127	20,756,372
North Marin	61,012	161	9,822,932	61,012	143	8,724,716
Petaluma	58,401	153	8,935,353	58,401	136	7,942,536
Rohnert Park	43,398	140	6,075,720	43,398	119	5,164,362
VOMWD	23,478	136	3,193,008	23,478	124	2,911,272
Sonoma	11,426	194	2,216,644	11,426	173	1,976,698
Cotati	7,711	134	1,033,274	7,711	130	1,002,430
Windsor	28,134	143	4,023,162	28,134	130	3,657,420
MMWD	190,600	137	26,074,080	190,600	124	23,634,400
Total	587,596		83,601,469	587,596		75,770,206
Regional GPCD Target [Total of (3) / Total of (1)]				2015	2020	
				142	129	
<i>* Current population from Water Contractor or from Department of Finance when not available from Water Contractor.</i>						
<i>** Subject to change. Target has to be set via public hearing.</i>						

Option 1 – Compliance Daily Per Capita Water Use Calculation

SCWA Service Area Regional Compliance Daily Per Capita Water Use (DWR Methodology # 9)				
SCWA Water Contractor	2015		2020	
	Projected Population	Annual Projected Water Demand after conservation and recycled water deducts in A.F.*	Projected Population	Annual Projected Water Demand after conservation and recycled water deducts in A.F.*
	(1)	(2)	(1)	(2)
Santa Rosa	194,851	27,194	204,519	27,934
North Marin	62,589	11,471	64,804	11,376
Petaluma	64,704	11,090	67,425	10,270
Rohnert Park	46,400	5,348	47,900	5,306
VOMWD	24,174	3,465	24,873	3,445
Sonoma	12,149	2,605	12,871	2,643
Cotati	8,105	1,079	8,518	1,096
Windsor	29,515	5,019	30,715	5,173
MMWD	195,200	27,761	198,200	27,359
Total	637,687	95,032	659,825	94,602
Projected Regional GPCD [Total of (2), in gpd / Total of (1)]			<u>2015</u>	<u>2020</u>
Is the Projected Regional GPCD equal to or under Regional GPCD Target?			133	128
			YES	YES
<i>* Water Conservation and recycled water deducts subject to change.</i>				

Data Reporting

A regional alliance must send a letter to DWR by July 1, 2011 stating that an alliance had been formed and including a list of alliance members. Regional alliances that do not submit a regional UWMP must submit regional alliance reports, including the following information:

- A list of the individual members in the alliance
- Baseline gross water use and service area population
- Individual 2015 and 2020 Water Use Targets for each alliance member as well as the regional 2015 and 2020 Water Use Targets
- Compliance year gross water use and service area population
- Adjustments to gross water use in compliance year

The above information must also be included in each regional alliance member's individual UWMP.

Compliance Assessment

If a regional alliance meets its regional target, all members in the alliance will be deemed compliant. If a regional alliance fails to meet its regional target, individual members who meet their individual targets will be deemed compliant. If a regional alliance fails to meet its regional target and an individual member fails to meet its individual target, the individual member will be deemed non-compliant.

Public Hearing Requirement

The legislation requires the urban retail water agency to select its 2020 water use target as detailed below:

10608.26. (a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

(1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.

(2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.

(3) Adopt a method, pursuant to subdivision (b) of Section 10608.20 for determining its urban water use target.

Regional Alliance Agreements and Dissolution

It is up to each regional alliance to determine the appropriate Memorandum of Understanding (MOU) or Agreement for a Regional Alliance. DWR will not review or approve MOUs or Agreements used to create a Regional Alliance, however any MOU or Agreement must be in compliance with all applicable sections of the Water Code.

Individual members can withdraw from a regional alliance. The individual member that withdraws must comply individually with the water use target and the Regional Alliance must recalculate the regional baseline and target data. The Regional Alliance may dissolve prior to 2020. If a Regional Alliance dissolves, individual members must comply individually with the water use target.

Letter Agreement
Between and Among
Cities of Santa Rosa, Rohnert Park, Sonoma, Cotati, Petaluma, Town of Windsor
And
North Marin Water District, Marin Municipal Water District
and Valley of the Moon Water District
For
Establishing a Regional Alliance to Comply with
SB x7-7 the Water Conservation Act of 2009

Recitals

A. The Water Conservation Act of 2009 (SB x7-7) set a goal of achieving a 20% reduction in statewide urban per capita water use by the year 2020 and requires urban water retailers to set a 2020 urban per capita water use target. SB x7-7 provides that urban water retailers may plan, comply and report on a regional basis, individual basis or both.

B. The Parties to this Letter Agreement (Cities of Santa Rosa, Rohnert Park, Sonoma, Cotati, Petaluma, Town of Windsor and North Marin, Marin Municipal and Valley of the Moon Water Districts) are eligible to form a "Regional Alliance" pursuant to the *Department of Water Resources Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use* (DWR Methodologies) because the Parties receive water from a common water wholesale water supplier, the Sonoma County Water Agency (Agency). The Parties desire to establish a Regional Alliance for purposes of complying with SB x7-7.

C. The Parties and the Agency are signatories to the Sonoma-Marin Saving Water Partnership Memorandum of Understanding (S-MSWP MOU) that provides for the identification and implementation of regional water conservation programs and tasks as directed by the Water Advisory Committee (WAC). The S-MSWP MOU requires financial and reporting commitments for implementation of water conservation programs.

Agreement for Regional Alliance Target Setting and Reporting

1. Regional Alliance Formation and Target Setting

Pursuant to the DWR Methodologies, the Parties hereby form a Regional Alliance and agree to send a letter to the Department of Water Resources (DWR) prior to July 1, 2011 informing DWR that a Regional Alliance has been formed. The Parties agree that the Regional Alliance Target will be established using Option 1 (as Option 1 is described in the DWR Methodologies) and that each Party will include the Regional Alliance Target in its individual 2010 Urban Water Management Plan.

2. Regional Alliance Review

No later than December 31, 2015, the Parties agree to review and re-analyze the Regional Alliance and Regional Alliance Target as part of the preparation of the 2015 Urban Water Management Plan.

3. Regional Alliance Reporting

The Parties agree to prepare Regional Alliance Reports pursuant to the DWR Methodologies including but not limited to the following information: baseline gross water use and service area population, individual 2015 and 2020 water use targets for each Party and for the Regional Alliance, compliance year gross water use and service area population, and adjustments to gross water use in compliance year. The information will be provided by each Party and reported in the annual S-MSWP report in addition to the information required in the annual report, as outlined in the S-MSWP MOU.

4. Regional Water Supply Planning

The Parties agree to participate in discussions regarding regional water supply planning.

5. Regional Alliance Dissolution

The Parties agree that each Party can withdraw from the Regional Alliance at any time without penalty by giving written notice to all other Parties. If a Party withdraws from the Regional Alliance, the Parties agree that the Regional Target will be recalculated among remaining participating Parties as set forth in the DWR Methodologies and in Section 2 above.

6. Miscellaneous

This Letter Agreement shall be between and among those Parties that have executed this Letter Agreement by May 1, 2011. If all Parties have not executed this Letter Agreement by said date, the Parties who have executed this Letter Agreement by May 1, 2011, agree that the Regional Target will be recalculated among participating Parties as set forth in the DWR Methodologies and in Section 2 above.

7. Letter Agreement Authorization

This Letter Agreement may be signed in counterparts. By signing below, each signatory states that he or she is authorized to sign this Letter Agreement on behalf of the Party for which he or she is signing.

Name: _____
City of Santa Rosa

Date



Name: Gabriel A. Gonzalez
City of Rohnert Park



Date
Per Rohnert Park City Council
Resolution No. 2011-30 adopted on
April 12, 2011

Name: _____
City of Sonoma

Date

Name: _____
City of Cotati

Date



CITY OF ROHNERT PARK
OFFICE OF THE CITY MANAGER/CITY CLERK

*** City Clerk Use Only ***

NOTICE OF COUNCIL/CDC MEETING ACTION

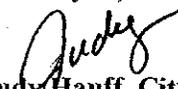
Date: April 29, 2004
To: Toni Bertolero, City Engineer
For Agenda Title: Consider and approve the Water Policy Resolution

Meeting Date: April 27, 2004
Agenda Item No: #8
Council Action: Approved as Amended
Vote: 5 - 0
Resolution No:
2004-95 Implementing Requirements Imposed on Specific Plan Areas Outside the City's 1999 Boundaries

The City Council approved the above item authorizing you to proceed with the appropriate follow-up and handling process. The enclosed documents checked below are provided for this purpose:

- Transmittal Report provided to Council for this agenda item.
- Resolution/executed
- Ordinance/executed
- One set of the fully executed agreement with original signatures for you to forward to the contractor. The second set with original signatures has been retained in the City Manager's Office for the City's Agreement Files.
- Two (2) sets of the Agreement signed by the appropriate City representatives and forwarded to you for signing. When available, please RETURN one set to the City Manager's Office for the City's Agreement Files.
- Other: The adoption of this resolution included amendments as recommended by Interim City Attorney, Michelle Kenyon, to change the word "defined" to "estimated" in 4.b.6, and to make some minor typographical corrections as follows: change 4.b.7 to 4.c; change 4.b.8 to 4.d; and change 4.b.9 to 4.e

Thank you,


Judy Hauff, City Clerk
For Carl Eric Leivo, City Manager

cc: Gabrielle Whelan, Interim City Attorney
Mike Bracewell, PW Utilities Services Supervisor
Engineering Staff: Darrin Jenkins, Civil Engineer; Rick Pedroncelli, Sr. Eng. Tech.; Eydie Tacata,
Admin. Asst.

FILE - ENGINEERING DEPT. - Water Policy Resolution

FILE - CROSS REFERENCE - Water Policy Resolution [SEE: ENGINEERING DEPT.]

FILE - Council Agenda Chron File/ADD TO: Agreement File List

JH/cam-M:2004 Council Agenda Action

FOR RESO. NO. 2004-95

CITY OF ROHNERT PARK
COUNCIL AGENDA ITEM TRANSMITTAL REPORT

Meeting Date: April 27, 2004
Department: Engineering
Submitted By: Toni Bertolero, City Engineer
(Name & Title)
Submittal Date: April 20, 2004
Agenda Title: Water Policy Resolution

Council:	X
Miscellaneous	
Communications	
Agenda 4/27/04	X
Copy to:	
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4/21/04
a.m.

Requested Council Action: Consider and approve the Water Policy Resolution

Summary:
The Water Policy Resolution implements a provision of the Judgement entered by the Sonoma County Superior Court in *South County Resource Preservation Committee v. City of Rohnert Park* (Case No. 224976 – the “Penngrove litigation”). That provision prevents the City from approving development within the specific plan areas identified in the General Plan if the development’s “net consumptive use impact” causes the City to exceed an average annual groundwater pumping rate of 2.3 mgd. The purpose of this resolution is to set forth the procedure the City will follow to implement this provision of the Judgement.

This resolution was first presented to Council on February 24, 2004. Three letters of opposition to the resolution were received at the meeting. In an effort to consider the comments and to make appropriate changes, the resolution was continued until such changes were made. Staff has attempted, on several occasions, to meet with John King and his attorney but was unsuccessful in meeting to discuss their concerns. Nevertheless, the attached resolution has been revised from the version presented on February 24, 2004 in an effort to address concerns stated in the letters that were submitted.

- CITY MANAGER'S RECOMMENDATION:** () Consent Item (✓) Regular Time
 (✓) Approval () Public Hearing Required
 () Not Recommended () Submitted with Comment
 () Policy Determination by Council
 () City Comments:

City Manager's Signature: Toni Bertolero Date: 4/21/04

**A Resolution of the City Council of the City of Rohnert Park
Implementing Requirements Imposed on Specific Plan Areas
Outside the City's 1999 Boundaries**

WHEREAS, a Judgment was entered on September 5, 2002 by the Sonoma County Superior Court in *South County Resource Preservation Committee and John King v. City of Rohnert Park* (Case No. 224976) (hereinafter "Judgment"), which directed that certain General Plan policies be interpreted and applied consistent with language included in the Judgment, and that the language in the Judgment be treated as part of the General Plan; and

WHEREAS, the General Plan of the City of Rohnert Park requires that all development outside the City's 1999 boundaries be included within one of the specific plan areas identified in the General Plan; and

WHEREAS, the purpose of this resolution is to implement language included in the Judgment by describing the way in which certain interpretations of the General Plan will be applied to new developments in specific plan areas outside the City's 1999 boundaries; and

WHEREAS, nothing in this Resolution shall be construed to impair the City's ability to deliver water to its customers or respond to the needs of its water customers.

NOW, THEREFORE, the City Council of the City of Rohnert Park does hereby resolve as follows:

1. This Resolution applies to the Specific Plan Areas outside the City's 1999 boundaries that are identified in the General Plan and development projects within those Areas for which the City determines a negative declaration, mitigated negative declaration or environmental impact report is required ("Projects"). The City's 1999 boundaries are depicted on Exhibit A to this Resolution.
2. A negative declaration, mitigated negative declaration, or environmental impact report for a Project shall include the following information:
 - a. Projected water demand for the Project before and after water supply reduction measures are implemented and an explanation of how these measures are planned to reduce consumption.
 - b. 20-year projection of water supplies available to the City during normal, single-dry, and multiple-dry years. These terms shall have the same meaning as set forth in the most recent Urban Water Management Plan for the City of Rohnert Park.
 - c. Analysis of whether the total projected water supplies will meet the projected water demand associated with the Project.
3. The approval of any tentative map for a Project shall be conditioned upon identification, before final map approval, of the water supply that is projected to serve the Project. Groundwater pumped from new or existing private wells within the Penngrove community (with zip code 94951 as of September 2002) will not be permitted as a water supply source.

4. Net Consumptive Water Use Impact Determinations. The information required by this section shall be submitted as part of the application for the first discretionary approval for a Project.
- a. Definitions for Net Consumptive Water Use Impact Determinations: The following definitions shall be used to make the Net Consumptive Water Use Impact Determinations required by this section:
- *Net Consumptive Water Use Impact* is the amount of potable water demand of a Project less reductions for (1) Potable Water Conservation Practices and (2) Potable Water Use Offsets. Only those Potable Water Use Conservation Practices and Potable Water Use Offsets that the City Engineer determines will be acceptable, feasible and consistent with the City's water conservation program may be used in determining a project's Net Consumptive Water Use Impact.
 - *Potable Water Conservation Practices* are on-site water conservation equipment and practices, including use of recycled water that reduces the projected potable water consumption of a Project and that can be implemented and completed with the Project.
 - *Potable Water Use Offsets* are water conservation equipment, practices or programs that are funded, constructed, installed or implemented by a Project and that offset the amount of potable water consumed by that Project, including use of recycled water, that are applied outside of the project area ("off-site"), but which reduce demand on the City's water system for potable water, or, the funding, construction or implementation of facilities or practices in any location that increase recharge to the groundwater supplies available to the City's municipal wells; all of which can be implemented and completed with the Project.
 - *Average Annual Groundwater Pumping Rate of 2.3 mgd* is the projected pumping rate from the City's municipal wells for the year estimated to be the Project's buildout year
- b. The following calculations shall be included in the application for the first discretionary approval for a Project and shall be reviewed by the City Engineer.
1. Determine a Project's potable water demand (before any proposed Potable Water Conservation Practices or Water Use Offsets) using information and a methodology approved by the City Engineer.
 2. Identify Potable Water Conservation Practices and estimated water savings. Potable water conservation practices selected for use in a Project requires concurrence from the City Engineer that the practices are acceptable and consistent with the City's Water Conservation Program. Water savings shall be determined using information and a methodology approved by the City Engineer.
 3. Identify onsite and/or offsite recycled water use that is included in the Potable Water conservation Practices or Water Use Offsets proposed for the Project. Offsite use is limited to areas of use in the City's water service area.

4. Identify Water Use Offsets. Said offsets must identify a projected reduction in potable water use in the City's water service area and/or increase in recharge of groundwater supplies available to the City's municipal wells. In calculating the projected reduction in potable water use savings from Potable Water Conservation Practices and Water Use Offsets, estimates shall comply with guidelines established by the California Urban Water Conservation Council or other recognized professional water industry organizations such as the American Water Works Association.
 5. Estimate the Project's Net Consumptive Water Use Impact taking into consideration the Potable Water Conservation Practices, and Water Use Offsets.
 6. Provide an estimated year of when buildout of all commercial and residential development for the Project will occur. For purposes of this document, the "buildout year" is estimated as the year when 80 percent of the commercial and residential development have been constructed and occupied. For the percentage calculation, commercial development will be based on square footage and residential development will be based on number of dwelling units.
- c. The City Engineer shall determine whether the Project's Net Consumptive Water Use Impact is projected to contribute to the City exceeding an Average Annual Groundwater Pumping Rate of 2.3 mgd. Said determination will consider the City's water supply sources, based on best reasonable information available at the time the determination is made. Such determination is without prejudice to the applicant submitting new or additional information and seeking a different determination.
 - d. The Project cannot be approved if its Net Consumptive Water Use Impact is determined to contribute to the City exceeding an Average Groundwater Pumping Rate of 2.3 mgd.
 - e. If a Project's Potable Water Conservation Practices and/or Recycled Water Use and/or Water Use Offsets include ongoing activities, the Developer will identify how these ongoing activities will remain in place and identify long-term operation and maintenance of the practices and water systems.
5. This Resolution implements General Plan policy by determining the reasonableness, legality and validity of decisions relating to Specific Plans. As such this Resolution is subject to the 90-day statute of limitations of Government Code section 65009(c).

DULY AND REGULARLY ADOPTED by the Rohnert Park City Council this 27th day of April, 2004.

ATTEST:

CITY OF ROHNERT PARK

Judy Hauff
City Clerk Judy Hauff



Gregory A. Nordin
Mayor Gregory A. Nordin

FLORES: AYE MACKENZIE: AYE SPRADLIN: AYE
VIDAK-MARTINEZ: AYE NORDIN: AYE
AYES: (5) NOES: (0) ABSENT: (0) ABSTAIN: (0)



CITY OF ROHNERT PARK
OFFICES OF THE CITY MANAGER & THE CITY CLERK

*** City Clerk Use Only ***

NOTICE OF COUNCIL/CDC MEETING ACTION

Date: October 29, 2004

To: **Darrin Jenkins, City Engineer**

For Agenda Title: Water Waste Ordinance, Second Reading

Meeting Date: October 26, 2004

Agenda Item No: # 11

Council Action: Approved as Submitted

Vote: 5 - 0

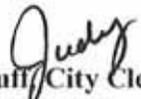
Ordinance No:

723 (for adoption) Repealing and Replacing Chapter 13.62, Water Waste Regulations, of the Rohnert Park Municipal Code (Recycled Water Use)

The City Council approved the above item authorizing you to proceed with the appropriate follow-up and handling process. The enclosed documents checked below are provided for this purpose:

- Transmittal Report provided to Council for this agenda item.
- Resolution/executed
- Ordinance/executed
- One set of the fully executed agreement with original signatures for you to forward to the contractor. The second set with original signatures has been retained in the City Manager's Office for the City's Agreement Files.
- Two (2) sets of the Agreement signed by the appropriate City representatives and forwarded to you to obtain other necessary signatures. When available, please RETURN one fully executed set to the City Manager's Office for the City's Agreement Files.
- Other

Thank you,


Judy Hauff, City Clerk
For Carl Eric Leivo, City Manager

cc: Eydie Tacata, Administrative Assistant
Toni Bertolero, Winzler & Kelly Engineers
Mary Grace Pawson, Winzler & Kelly
Carol Mendenhall, Office Asst. II/Deputy City Clerk (to handle process for posting, summary publication and codification of this ordinance)
FILE – ORDINANCE FILES – Water Waste Regulations (Recycled Water Use)
FILE - Council Agenda Chron File

ORDINANCE NO. 723

**AN ORDINANCE REPEALING AND REPLACING
CHAPTER 13.62, WATER WASTE REGULATIONS, OF THE ROHNERT PARK
MUNICIPAL CODE (Recycled Water Use)**

WHEREAS, the City of Rohnert Park ("City") is an urban water supplier that delivers water directly to more than 42,000 customers using water from the Sonoma County Water Agency ("Agency"), local groundwater and recycled water and;

WHEREAS, the City is committed to avoiding waste and assuring that its water resources are employed for beneficial use and;

WHEREAS, recycled water is an important part of the City's overall water supply strategy and;

WHEREAS, the Chapter 7 of Division 7 of the State of California's Water Code (beginning with section 13550) provides that it is a waste and unreasonable use to employ raw and/or potable water in certain circumstances when recycled water is available;

NOW THEREFORE, the City Council of the City of Rohnert Park does ordain as follows:

SECTION 1. Chapter 13.62, "Water Waste Regulations," of the Rohnert Park Municipal Code is repealed and replaced as follows:

"Chapter 13.62

WATER WASTE REGULATIONS

Sections:

13.62.010	Purpose.
13.62.020	Definitions.
13.62.030	Non Essential Uses.
13.62.040	Recycled Water Service Required.
13.62.041	Recycled Water Service Connection Fees.
13.62.042	Recycled Water Service Charges.
13.62.050	Violation--Enforcement.
13.62.060	Exempt Water Uses.
13.62.070	Special Exemptions.

13.62.010 Purpose.

The purpose of this chapter is to promote the efficient use of the entire water supply provided by the city; to eliminate the intentional or unintentional waste of water when a reasonable alternative solution is available; and to prohibit the use of equipment that is wasteful.

13.62.020 Definitions.

- A. "City" means the City of Rohnert Park acting by and through the City of Rohnert Park public works department as operator of the City of Rohnert Park water system.
- B. "City council" means the City Council of the City of Rohnert Park.
- C. "City manager" means the city manager of the city or his or her designee.
- D. "Customer" means any person, within or outside of the geographic boundaries of the city of who uses water supplied by the city.
- E. "Person" means any person, firm, partnership, association, corporation, company, organization, or governmental entity.
- F. "Recycled water" means water treated in accordance with Title 22, Section 60301 et. seq. of the California Code of Regulations and suitable for reuse under the circumstances outlined.
- G. "State health standards" means Title 22 Section 60301 et. seq. as it may be amended from time to time.
- H. "Subregional system" means the City of Santa Rosa's Subregional Water Reclamation System which is the current supplier of recycled water in the City.

13.62.030 Nonessential uses.

No customer of the city shall use or permit the use of potable water from the city for residential, commercial, institutional, industrial, agricultural or other purposes for the following nonessential uses:

- A. The washing of sidewalks, walkways, driveways, parking lots and other hard-surfaced areas by direct hosing, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances, wash away spills that present a trip and fall hazard or reduce or eliminate materials dangerous to public safety.
- B. The escape of water through breaks or leaks within the customer's plumbing or private distribution system for a period greater than 72 hours after discovery of the break or leak or receipt of notice from the city.
- C. Irrigation in a manner or to an extent which allows excessive runoff of water or unreasonable over-spray of the areas being watered.
- D. Washing cars, boats, trailers or other vehicles and machinery directly with a hose not equipped with a shutoff nozzle.
- E. Water for non-recycling decorative water fountains.
- F. Water for single pass evaporative cooling systems for air conditioning in all connections installed after the effective date of this ordinance, unless required for health or safety reasons.
- G. Water for new non-recirculating conveyor car wash systems.
- H. Water for new non-recirculating industrial clothes washing systems.

13.62.040 Recycled Water Service Required.

Upon written notification from the city, new applicants for water service whose properties may be served by recycled water, shall connect their property to recycled water service for those uses for which the use of potable domestic water would be deemed a waste or unreasonable use of water as specified in Division 7, Chapter 7, of the California Water Code (Section 13550 et. seq.) and the state and local regulations promulgated pursuant thereto. Failure of a new customer to accept service of recycled water when it is made available, where use of potable water would otherwise be deemed a waste or unreasonable use of water, shall be grounds for termination of the customer's potable water service. Failure of a recycled water customer to comply with the conditions specified for its use shall be deemed a violation and shall be subject to enforcement as outlined in Section 13.64.050.

13.62.041 Recycled Water Connection Fees.

Recycled Water Connection Fees for new customers shall be in accordance with the schedule adopted by resolution by the city or the subregional system.

All customers are liable for the cost of connecting plumbing at the point of connection as determined by the city and any costs of making private plumbing and irrigation systems conform to state health standards.

13.62.042 Recycled Water Service Charges.

Recycled Water Service Charges shall be established by resolution of the city and/or the subregional system.

13.62.050 Violation--Enforcement.

The violation of each provision of this chapter, and each separate violation thereof, shall be deemed a separate offense, and shall be enforced as an infraction in accordance with Chapter 1.24 of the Rohnert Park Municipal Code. Fees and charges for the activities below shall be established by resolution of the city council.

- A. Personal contact with the customer at the address of the water service.
- B. Written notice, sent by certified mail, to the customer of the water waste violation including a specified period of time to correct the violation or request a hearing.
- C. The city may levy a water waste penalty to the customer.
- D. After notice and a hearing provided in accordance with section 13.64.051 below, the city may authorize termination of water service and the charge for same shall be billed to the customer. Except in cases of extreme emergency as solely determined by the city manager, service shall not be reinstated until verified by the city manager that the violation has been corrected and all charges and fees have been paid.

13.62.051 Notice and Hearing.

Before terminating water service, the city manager shall give written notice to the customer. The customer shall have five business days from the date of service of the notice to request a hearing before the city manager or his or her designee in order to present any and all evidence they may have as to why a restrictor should not be installed or service terminated. If a hearing is requested, the city manager or his or her designee shall schedule a date and time for said hearing as soon as possible after the request is filed, but not later than five business days after the filing or such request for hearing. At the hearing, the customer and the city may offer evidence. The city manager shall make a final determination as to whether service should be restricted or terminated and under what conditions.

13.62.052 Violation--Additional remedy.

As an additional remedy, the violation of any provision of this chapter by any person who has received more than one written warning pursuant to Section 13.64.040 to refrain from the same or any other violation under this chapter in one calendar year shall be deemed and is declared to be, a public nuisance and may be subject to abatement in accordance with Chapter 1.24 of the Rohnert Park Municipal Code.

13.62.070 Exempt Water Uses.

All water use associated with the operation and maintenance of fire suppression equipment or employed by the city for water quality flushing and sanitation purposes shall be exempt from the provisions of this chapter.

13.62.080 Special Exemptions.

Any customer of the city may make written application for a special exemption from the provisions of this chapter. This application shall describe in detail why the applicant believes a special exemption is justified.

The city manager may grant variances for the use of water otherwise prohibited by this section upon finding and determining that failure to do so would cause an emergency condition affecting the health, sanitation, fire protection or safety of the applicant or public; or cause an unnecessary or undue hardship on the applicant or public, including but not limited to adverse economic impacts such as loss of production or jobs.

The decision of the city manager may be appealed to the city council by submitting a written appeal to the city clerk within 15 calendar days of the date of the decision. Upon granting any appeal, the city council may impose any conditions it determines to be just or proper. Special exemptions granted by the city council shall be documented in writing.”

SECTION 2. REPEAL OF CONFLICTING ORDINANCES. All former Ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance or of the Code hereby adopted are thereby repealed.

SECTION 3. SEVERABILITY. If any section, subsection, sentence, clause or phrase of this Ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council hereby declares that it should have adopted the Ordinance and each section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional.

SECTION 4. CEQA. In accordance with Public Resources Code section 21065, this ordinance is not a Project subject to the California Environmental Quality act.

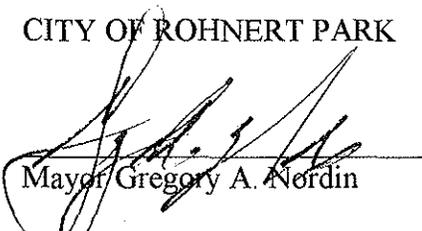
SECTION 5. EFFECTIVE DATE. This ordinance shall be in full force and effective 30 days after its adoption and shall be published and posted as required by law.

This ordinance was introduced on the 12th day of October, 2004 and

DULY AND REGULARLY ADOPTED by the City Council of the City of Rohnert Park this 26th day of October, 2004 by the following vote:

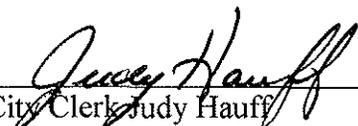
- AYES: **Five (5) Councilmembers Flores, Mackenzie, Spradlin, Vidak-Martinez and Mayor Nordin**
- NOES: **None (0)**
- ABSENT: **None (0)**
- ASBSTAIN: **None (0)**

CITY OF ROHNERT PARK



Mayor Gregory A. Nordin

ATTEST:



City Clerk Judy Hauff



Approved as to Form:



Interim City Attorney Gabrielle P. Whelan



CITY OF ROHNERT PARK
OFFICES OF THE CITY MANAGER & THE CITY CLERK

*** City Clerk Use Only ***

NOTICE OF COUNCIL/CDC MEETING ACTION

Date: October 29, 2004

To: Darrin Jenkins, City Engineer

For Agenda Title: Water Shortage Emergency Plan Ordinance, 2nd Reading and Adoption

Meeting Date: October 26, 2004

Agenda Item No: # 12

Council Action: Approved as Submitted

Vote: 5 - 0

Ordinance No:

724 (for adoption) Amending Title 13 of the Rohnert Park Municipal Code to Establish a Water Shortage Emergency Plan

The City Council approved the above item authorizing you to proceed with the appropriate follow-up and handling process. The enclosed documents checked below are provided for this purpose:

- Transmittal Report provided to Council for this agenda item.
- Resolution/executed
- Ordinance/executed
- One set of the fully executed agreement with original signatures for you to forward to the contractor. The second set with original signatures has been retained in the City Manager's Office for the City's Agreement Files.
- Two (2) sets of the Agreement signed by the appropriate City representatives and forwarded to you to obtain other necessary signatures. When available, please RETURN one fully executed set to the City Manager's Office for the City's Agreement Files.
- Other

Thank you,


Judy Hauff, City Clerk
For Carl Eric Leivo, City Manager

cc: Eydie Tacata, Administrative Assistant
Toni Bertolero, Winzler & Kelly Engineers
Mary Grace Pawson, Winzler & Kelly
Carol Mendenhall, Office Asst. II/Deputy City Clerk (to handle process for posting, summary publication and codification of this ordinance)
FILE - ORDINANCE FILES - Water Shortage Emergency Plan
FILE - Council Agenda Chron File

JH/cam-M:2004 Council Agenda Action

ORD. 724

Council:	X
Miscellaneous	
Communications	
Agenda 10/26/04	X
Copy to:	
Copy to:	

CITY OF ROHNERT PARK
COUNCIL AGENDA ITEM TRANSMITTAL REPORT

Meeting Date: October 26, 2004
 Department: Engineering
 Submitted By: Darrin Jenkins, City Engineer
 (Name & Title)
 Submittal Date: October 18, 2004
 Agenda Title: Water Shortage Emergency Plan Ordinance
 2nd Reading and Adoption

10/26/04
EB

Requested Council Action: Second reading and adoption of the Ordinance Amending Title 13 *Water and Sewers* and Adding Section 13.66 to the Municipal Code and Waive the Reading and Request the Reading of the Title Thereof.

Summary:

Council is advised that the first reading had a clerical error on the title. The section that is being added is Section 13.66 and not Section 13.64 as previously referenced in the introduction and first reading. The appropriate corrections have been made to the ordinance. The Interim City Attorney has advised that this second reading and adoption can remain on the Consent Calendar so long as the clerical errors have been corrected.

The City is an urban water supplier that delivers water directly to more than 42,000 customers using water from the Sonoma County Water Agency ("Water Agency") as well as its own local groundwater supply. Because of the number of water customers it has, the State required the City to prepare an Urban Water Management Plan (UWMP). The City of Rohnert Park, along with other water contractors and the Water Agency, prepared the 2000 UWMP. The document identified a "model" water shortage emergency plan ordinance that should be adopted countywide. The reason for adopting such an ordinance is to have a plan in place should deliveries from the Water Agency or other sources be reduced due to drought and other limitations resulting from water supply shortage conditions. Rohnert Park would be the first to adopt the ordinance but it is expected that other cities and agencies would follow.

The proposed ordinance identifies three stages of water conservation. Stage 1 is voluntary water conservation. This stage identifies how water customers could voluntarily cut back usage to result in a 10 percent reduction in the system's overall water use. Stage 2 is mandatory water conservation and would be "triggered" by declaration of a Stage 2 emergency by City Council resolution. The declaration would be made upon recommendation by the City Manager based on a water supply and delivery projection by the City Engineer. Stage 3 is also mandatory conservation but would effect a greater reduction in water use by prohibiting additional water use activities. The trigger mechanism is the same as Stage. There are exceptions that may be granted by the City Manager and the ordinance outlines how those exceptions would be made.

The proposed ordinance is not intended to prevent the City from passing an emergency resolution for the immediate curtailment of water use by its customers due to water supply shortages and delivery limitations caused by catastrophic events and conditions, either natural or unnatural. The City is required by the State to prepare an Emergency Response Plan for its drinking water system by the end of December 2004. The emergency response plan is the appropriate document to address such catastrophic events and how the City would handle notifications and procedures for responding to such an event.

- CITY MANAGER'S RECOMMENDATION:**
- Approval
 - Not Recommended
 - Policy Determination by Council
 - City Comments:
- Consent Item
 - Public Hearing Required
 - Submitted with Comment
- Regular Time

City Manager's Signature: Thomas Bullard Date: 10-20-2004
 City Manager Pro Tempore Thomas R. Bullard

AN ORDINANCE AMENDING
TITLE 13 OF THE ROHNERT PARK MUNICIPAL CODE
TO ESTABLISH A
WATER SHORTAGE EMERGENCY PLAN

WHEREAS, nothing in this ordinance will preclude the City Council from passing an emergency resolution for the immediate curtailment of water use by its customers due to water supply shortages and delivery limitations caused by catastrophic events and conditions, either natural or unnatural.

NOW THEREFORE, the City Council of the City of Rohnert Park does ordain as follows:

SECTION 1. The Municipal Code of the City of Rohnert Park is hereby amended by adding Chapter 13.66 Water Shortage Emergency Plan, to Title 13, Water and Sewers, to read as follows:

Chapter 13.66

WATER SHORTAGE EMERGENCY PLAN

Sections:

13.66.010	Definitions.
13.66.020	Authorization.
13.66.030	Application.
13.66.040	Water waste prohibitions.
13.66.050	Water conservation stages.
13.66.060	Exceptions and application procedures for exceptions.
13.66.070	Violation--Enforcement.
13.66.080	Notice and hearing.
13.66.090	Violation--Additional remedy.

13.66.010 Definitions.

- A. The "City" means the City of Rohnert Park acting by and through the City of Rohnert Park public works department as operator of the City of Rohnert Park water system.
- B. "Manager" is the city manager of the City of Rohnert Park.

- C. "Person" means any person, firm, partnership, association, corporation, company, organization, or governmental entity.
- D. "Customer" means any person, whether within or without the geographic boundaries of the City of Rohnert Park, who uses water supplied by the City.
- E. "GPD" means gallons per day.
- F. "Water" means potable water.

13.66.020 Authorization. The City Manager or his or her designee, is authorized and directed to implement the applicable provisions of this chapter upon adoption of a City Council resolution determining that such implementation is necessary to protect the public health, safety, and welfare.

13.66.030 Application. The provisions of this chapter shall apply to all persons, customers, and property served by the City.

13.66.040 Water Waste Prohibitions. Non-essential uses and exemptions are those set forth in Chapter 13.62 of the Rohnert Park Municipal Code and shall be adhered to notwithstanding any provision in this chapter.

13.66.050 Water conservation stages. No customer of the City shall make, cause, use, or permit the use of water from the City for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this chapter, or in an amount in excess of that use permitted by either Conservation Stage 2 or 3 when in effect as declared by separate resolution of the City Council, in accordance with the provisions of this Chapter.

- A. Stage 1. Voluntary Conservation. In order to achieve an overall system-wide reduction goal of 10 percent, all potable water customers of the City shall be requested to:
 - 1. Apply irrigation water only during the evening and early morning hours to reduce evaporation losses.
 - 2. Inspect all irrigation systems, repair leaks, and adjust spray heads to provide optimum coverage and eliminate avoidable over-spray.
 - 3. For irrigation valves controlling water applied to lawns, vary the minutes of run-time consistent with fluctuations in weather.
 - 4. Reduce minutes of run-time for each irrigation cycle if water begins to run-off to gutters and ditches before the irrigation cycle is completed.
 - 5. Utilize water conservation incentive, rebate and giveaway programs to replace water guzzling plumbing fixtures and appliances with water efficient models.
 - 6. Utilize City information regarding using water efficiently, reading water meters, repairing ordinary leaks, and water efficient landscape.
- B. Stage 2. Mandatory Compliance -- Water Alert. The City Council may by resolution declare a Conservation Stage 2 upon recommendation by the City Manager based on water supply and delivery projections by the City Engineer that an overall system-wide reduction of 20 percent is necessary, taking into consideration projections and estimates made by the Sonoma County Water Agency pertaining to the Russian River water

supply. In order to achieve an overall system-wide reduction of 20 percent, the following activities shall be prohibited:

1. Non-essential uses of water, including the following:
 - a. Refilling or initial filling of a swimming pool
 - b. Non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used to rinse a vehicle.
 - d. Any use of water from a fire hydrant except for fighting fires or essential construction needs.
 - e. Use of water for dust control at construction sites.
2. Water use by a vehicle washing facility in excess of 20% less than the amount used by it during the corresponding billing period in the prior year.
3. Water use for any non-residential use in excess of 20% less than the amount used by the customer during the corresponding billing period in the prior year.

C. Stage 3. Mandatory Compliance -- Water Emergency. The City Council may by resolution declare a Conservation Stage 3 upon recommendation by the City Manager based on water supply and delivery projections by the City Engineer that an overall system-wide reduction of 30 percent is necessary, taking into consideration projections and estimates made by the Sonoma County Water Agency pertaining to the Russian River water supply. In order to achieve an overall system-wide reduction of 30 percent, the following activities shall be prohibited:

1. Any activities prohibited during a Conservation Stage 2.
2. Watering any residential lawn, or any commercial or industrial area lawn irrigated with potable water, at any time day or night.
3. Planting any new landscaping, except for designated drought resistant landscaping prescribed by the city manager or designated representative.
4. All day and night-time irrigation sprinkling unless only a hand held nozzle is used. An exception will be made to permit drip irrigation for established perennial plants and trees using manual or automatic time-controlled water application.
5. Planting of new annual plants, vegetables, flowers or vines may not be planted until the Stage 3 emergency is over.

13.66.060 Exceptions and application procedures for exceptions. Any customer of the City may make written application for an exception. Said application shall describe in detail why applicant believes an exception is justified.

- A. The City Manager may grant exceptions for use of water otherwise prohibited by this section upon finding and determining that failure to do so would cause an emergency condition affecting the health, sanitation, fire protection or safety of the applicant or public; or, cause an unnecessary and undue hardship on applicant or the public, including but not limited to, adverse economic impacts, such as loss of production or jobs.
- B. The decision of the City Manager may be appealed to the City Council by submitting a written appeal to the City Clerk within fifteen (15) calendar days of the date of the

decision. Upon granting any appeal, the City Council may impose any conditions it determines to be just and proper. Exceptions granted by the City Council shall be prepared in writing and the City Council may require the exception be recorded at applicant's expense.

13.66.070 Violation--Enforcement. The violation of each provision of this chapter, and each separate violation thereof, shall be deemed a separate offense, and shall be enforced as an infraction in accordance with Chapter 1.24 of the Rohnert Park Municipal Code. The City may take some or all of the following actions. Fees and charges for the activities below may be established by resolution of the City Council.

- A. Personal contact with the customer at the address of the water service. If personal contact is unsuccessful, written notice of the violation including a date that the violation is to be corrected may be left on the premises, with a copy of the notice sent by certified mail to the customer.
- B. Written notice to the customer of the water waste violation including a specified period of time to correct the violation.
- C. After notice and a hearing provided in accordance with section 13.66.080 below, the City Council may authorize the installation of a flow-restricting device on the service line and require payment of a fee in amount set by City Council resolution.
- D. The City Council may charge a water waste fee to the customer in an amount set by City Council resolution.
- E. After notice and a hearing provided in accordance with section 13.66.080 below, the City Council may authorize termination of water service and the charge for same shall be billed to the customer. Except in cases of extreme emergency as solely determined by the City Manager, service shall not be reinstated until verified by the City Manager that the violation has been corrected and all charges and fees have been paid.

13.66.080 Notice and hearing. Before either installing a water restrictor or terminating water service, the City shall give written notice to the person responsible for the service connection to be either restricted or terminated of its intention to do so. The person or persons to whom notice is given shall have five business days from the date of service of the notice to request a hearing before the city manager or his or her designee in order to present any and all evidence they may have as to why a restrictor should not be installed or service terminated. If a hearing is requested, the City Manager or his or her designee shall schedule a date and time for said hearing as soon as possible after the request is filed, but not later than five business days after the filing or such request for hearing. At the hearing, the person whose service connection is to be restricted or terminated and the utilities personnel may offer evidence. The City Manager or his or her designee shall make a final determination as to whether service should be restricted or terminated and under what conditions.

13.66.090 Violation--Additional remedy. As an additional remedy, the violation of any provision of this chapter by any person who has received more than one written warning pursuant to Section 13.66.070 to refrain from the same or any other violation under this chapter in one calendar year shall be deemed and is declared to be, a public nuisance and may be subject to abatement in accordance with Chapter 1.24 of the Rohnert Park Municipal Code.

SECTION 2. Repeal of Conflicting Ordinances. All former Ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance or of the Code hereby adopted are thereby repealed.

SECTION 3. Severability. If any section, subsection, sentence, clause or phrase of this Ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council hereby declares that it should have adopted the Ordinance and each section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional.

SECTION 4. Effective Date: This ordinance shall be in full force and effective 30 days after its adoption and shall be published and posted as required by law.

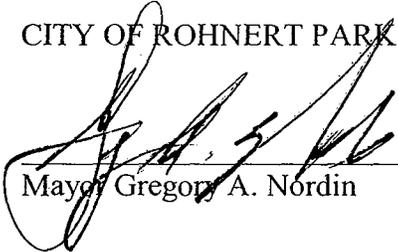
SECTION 5. Pursuant to Health and Safety Code section 21065, this Ordinance is not a project subject to the California Environmental Quality Act.

This ordinance was introduced on the 12th day of October, 2004 and

DULY AND REGULARLY ADOPTED by the City Council of the City of Rohnert Park this 26th day of October, 2004 by the following vote:

- AYES: **Five (5) Councilmembers Flores, Mackenzie, Spradlin, Vidak-Martinez and Mayor Nordin**
- NOES: **None (0)**
- ABSENT: **None (0)**
- ASBSTAIN: **None (0)**

CITY OF ROHNERT PARK



Mayor Gregory A. Nordin

ATTEST:



City Clerk Judy Hauff



Approved as to Form:



Interim City Attorney Gabrielle Whelan



CITY OF ROHNERT PARK
OFFICES OF THE CITY MANAGER & THE CITY CLERK

*** City Clerk Use Only ***

NOTICE OF COUNCIL/CDC MEETING ACTION

Date: October 14, 2004

To: Darrin Jenkins, Interim City Engineer

For Agenda Title: Water Shortage Emergency Plan Ordinance

Meeting Date: October 12, 2004

Agenda Item No: # 9

Council Action: Approved as Submitted

Vote: 4 - 0 - 1 (JM absent)

Ordinance No:

724 (for Intro.) Amending Title 13, Water and Sewers, of the Rohnert Park Municipal Code to Establish a Water Shortage Emergency Plan

The City Council approved the above item authorizing you to proceed with the appropriate follow-up and handling process. The enclosed documents checked below are provided for this purpose:

- Transmittal Report provided to Council for this agenda item.
- Resolution/executed
- Ordinance (Original retained for future agenda item)
- One set of the fully executed agreement with original signatures for you to forward to the contractor. The second set with original signatures has been retained in the City Manager's Office for the City's Agreement Files.
- Two (2) sets of the Agreement signed by the appropriate City representatives and forwarded to you to obtain other necessary signatures. When available, please RETURN one fully executed set to the City Manager's Office for the City's Agreement Files.
- Other - By copy of this notice, Carol Mendenhall is requested to proceed with publication & posting of the summary for this ordinance when received from Mary Grace Pawson of Winzler & Kelly Engineers

Thank you,


Judy Hauff, City Clerk
For Carl Eric Leivo, City Manager

cc: Toni Bertolero, Winzler & Kelly Engineers
Mary Grace Pawson, Winzler & Kelly Engineers
Carol Mendenhall, Office Asst. II/Deputy City Clerk
FILE - FUTURE COUNCIL AGENDA ITEM: October 26, 2004
FILE - Council Agenda Chron File

JH/cam-M:2004 Council Agenda Action

FOR ORD. NO. 724

CITY OF ROHNERT PARK
COUNCIL AGENDA ITEM TRANSMITTAL REPORT

Meeting Date: October 12, 2004
Department: Engineering
Submitted By: Darrin Jenkins, City Engineer
(Name & Title)
Submittal Date: September 30, 2004

Council:	X
Miscellaneous	
Communications	
→ Agenda 10/12/04	X
Copy to:	
Copy to:	

(for Intro.)

10/6/04
CJM

Agenda Title: Water Shortage Emergency Plan Ordinance
Introduction and 1st Reading

Requested Council Action: Introduce the Ordinance Amending Title 13 *Water and Sewers* and Adding Section 13.64 to the Municipal Code and Waive the Reading and Request the Reading of the Title Thereof.

Summary:

The City is an urban water supplier that delivers water directly to more than 42,000 customers using water from the Sonoma County Water Agency ("Water Agency") as well as its own local groundwater supply. Because of the number of water customers it has, the State required the City to prepare an Urban Water Management Plan (UWMP). The City of Rohnert Park, along with other water contractors and the Water Agency, prepared the 2000 UWMP. The document identified a "model" water shortage emergency plan ordinance that should be adopted countywide. The reason for adopting such an ordinance is to have a plan in place should deliveries from the Water Agency or other sources be reduced due to drought and other limitations resulting from water supply shortage conditions or other water delivery conditions. Rohnert Park would be the first to adopt the ordinance but it is expected that other cities and agencies would follow.

The proposed ordinance identifies three stages of water conservation. Stage 1 is voluntary water conservation and is intended to be in place at all times. This stage identifies how water customers could voluntarily cut back usage to result in a 10 percent reduction in the system's overall water use. Stage 2 is mandatory water conservation and would be "triggered" by declaration of a Stage 2 emergency by City Council resolution. The declaration would be made upon recommendation by the City Manager based on a water supply and delivery projection by the City Engineer of the need for the reduction taking into consideration projections and estimates made by the Water Agency. Stage 3 is also mandatory conservation but would effect a greater reduction in water use by prohibiting additional water use activities. The trigger is the same as Stage 2 and the City Engineer's projections would show a more drastic reduction is needed as compared to Stage 2. There are exceptions that may be granted by the City Manager and the ordinance outlines how those exceptions would be made.

The proposed ordinance is not intended to prevent the City from passing an emergency resolution for the immediate curtailment of water use by its customers due to water supply shortages and delivery limitations caused by catastrophic events and conditions, either natural or unnatural. The City is required by the State to prepare an Emergency Response Plan for its drinking water system by the end of December 2004. The emergency response plan is the appropriate document to address such catastrophic events and how the City would handle notifications and procedures for responding to such an event.

- CITY MANAGER'S RECOMMENDATION:**
- Approval
 - Not Recommended
 - Policy Determination by Council
 - City Comments:
 - Consent Item
 - Public Hearing Required
 - Submitted with Comment
 - Regular Time

City Manager's Signature:  Date: 10/6/04

ORDINANCE NO. 724

**AN ORDINANCE AMENDING
TITLE 13, WATER AND SEWERS, OF THE ROHNERT PARK MUNICIPAL CODE
TO ESTABLISH A
WATER SHORTAGE EMERGENCY PLAN**

WHEREAS, the City Council of the City of Rohnert Park wishes to establish a water shortage emergency plan for use in the event of a prolonged water shortage as opposed to a catastrophic event; and

WHEREAS, nothing in this ordinance will preclude the City Council from passing an emergency resolution for the immediate curtailment of water use by its customers due to water supply shortages and delivery limitations caused by catastrophic events and conditions, either natural or unnatural.

NOW THEREFORE, the City Council of the City of Rohnert Park does ordain as follows:

SECTION 1. The Municipal Code of the City of Rohnert Park is hereby amended by adding Chapter 13.64 Water Shortage Emergency Plan, to Title 13, Water and Sewers, to read as follows:

Chapter 13.64

WATER SHORTAGE EMERGENCY PLAN

Sections:

- | | |
|-----------|---|
| 13.64.010 | Definitions. |
| 13.64.020 | Authorization. |
| 13.64.030 | Application. |
| 13.64.040 | Water waste prohibitions. |
| 13.64.050 | Water conservation stages. |
| 13.64.060 | Exceptions and application procedures for exceptions. |
| 13.64.070 | Violation--Enforcement. |
| 13.64.080 | Notice and hearing. |
| 13.64.090 | Violation--Additional remedy. |

13.64.010 Definitions.

- A. The "City" means the City of Rohnert Park acting by and through the City of Rohnert Park public works department as operator of the City of Rohnert Park water system.
- B. "Manager" is the city manager of the City of Rohnert Park.
- C. "Person" means any person, firm, partnership, association, corporation, company, organization, or governmental entity.

D. "Customer" means any person, whether within or without the geographic boundaries of the City of Rohnert Park, who uses water supplied by the City.

E. "GPD" means gallons per day.

F. "Water" means potable water.

13.64.020 Authorization. The City Manager or his or her designee, is authorized and directed to implement the applicable provisions of this chapter upon adoption of a City Council resolution determining that such implementation is necessary to protect the public health, safety, and welfare.

13.64.030 Application. The provisions of this chapter shall apply to all persons, customers, and property served by the City.

13.64.040 Water Waste Prohibitions. Non-essential uses and exemptions are those set forth in Chapter 13.62 of the Rohnert Park Municipal Code and shall be adhered to notwithstanding any provision in this chapter.

13.64.050 Water conservation stages. No customer of the City shall make, cause, use, or permit the use of water from the City for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this chapter, or in an amount in excess of that use permitted by either Conservation Stage 2 or 3 when in effect as declared by separate resolution of the City Council, in accordance with the provisions of this Chapter.

- A. Stage 1. Voluntary Conservation. In order to achieve an overall system-wide reduction goal of 10 percent, all potable water customers of the City shall be requested to:
1. Apply irrigation water only during the evening and early morning hours to reduce evaporation losses.
 2. Inspect all irrigation systems, repair leaks, and adjust spray heads to provide optimum coverage and eliminate avoidable over-spray.
 3. For irrigation valves controlling water applied to lawns, vary the minutes of run-time consistent with fluctuations in weather.
 4. Reduce minutes of run-time for each irrigation cycle if water begins to run-off to gutters and ditches before the irrigation cycle is completed.
 5. Utilize water conservation incentive, rebate and giveaway programs to replace water guzzling plumbing fixtures and appliances with water efficient models.
 6. Utilize City information regarding using water efficiently, reading water meters, repairing ordinary leaks, and water efficient landscape.
- B. Stage 2. Mandatory Compliance -- Water Alert. The City Council may by resolution declare a Conservation Stage 2 upon recommendation by the City Manager based on water supply and delivery projections by the City Engineer that an overall system-wide reduction of 20 percent is necessary, taking into consideration projections and estimates made by the Sonoma County Water Agency pertaining to the Russian River water supply. In order to achieve an overall system-wide reduction of 20 percent, the following activities shall be prohibited:

1. Non-essential uses of water, including the following:
 - a. Refilling or initial filling of a swimming pool
 - b. Non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used to rinse a vehicle.
 - d. Any use of water from a fire hydrant except for fighting fires or essential construction needs.
 - e. Use of water for dust control at construction sites.
 2. Water use by a vehicle washing facility in excess of 20% less than the amount used by it during the corresponding billing period in the prior year.
 3. Water use for any non-residential use in excess of 20% less than the amount used by the customer during the corresponding billing period in the prior year.
- C. Stage 3. Mandatory Compliance -- Water Emergency. The City Council may by resolution declare a Conservation Stage 3 upon recommendation by the City Manager based on water supply and delivery projections by the City Engineer that an overall system-wide reduction of 30 percent is necessary, taking into consideration projections and estimates made by the Sonoma County Water Agency pertaining to the Russian River water supply. In order to achieve an overall system-wide reduction of 30 percent, the following activities shall be prohibited:
1. Any activities prohibited during a Conservation Stage 2.
 2. Watering any residential lawn, or any commercial or industrial area lawn irrigated with potable water, at any time day or night.
 3. Planting any new landscaping, except for designated drought resistant landscaping prescribed by the city manager or designated representative.
 4. All day and night-time irrigation sprinkling unless only a hand held nozzle is used. An exception will be made to permit drip irrigation for established perennial plants and trees using manual or automatic time-controlled water application.
 5. Planting of new annual plants, vegetables, flowers or vines may not be planted until the Stage 3 emergency is over.

13.64.060 Exceptions and application procedures for exceptions. Any customer of the City may make written application for an exception. Said application shall describe in detail why applicant believes an exception is justified.

- A. The City Manager may grant exceptions for use of water otherwise prohibited by this section upon finding and determining that failure to do so would cause an emergency condition affecting the health, sanitation, fire protection or safety of the applicant or public; or, cause an unnecessary and undue hardship on applicant or the public, including but not limited to, adverse economic impacts, such as loss of production or jobs.
- B. The decision of the City Manager may be appealed to the City Council by submitting a written appeal to the City Clerk within fifteen (15) calendar days of the date of the decision. Upon granting any appeal, the City Council may impose any conditions it determines to be just and proper. Exceptions granted by the City Council shall be

prepared in writing and the City Council may require the exception be recorded at applicant's expense.

13.64.070 Violation--Enforcement. The violation of each provision of this chapter, and each separate violation thereof, shall be deemed a separate offense, and shall be enforced as an infraction in accordance with Chapter 1.24 of the Rohnert Park Municipal Code. The City may take some or all of the following actions. Fees and charges for the activities below may be established by resolution of the City Council.

- A. Personal contact with the customer at the address of the water service. If personal contact is unsuccessful, written notice of the violation including a date that the violation is to be corrected may be left on the premises, with a copy of the notice sent by certified mail to the customer.
- B. Written notice to the customer of the water waste violation including a specified period of time to correct the violation.
- C. After notice and a hearing provided in accordance with section 13.30.110 below, the City Council may authorize the installation of a flow-restricting device on the service line and require payment of a fee in amount set by City Council resolution.
- D. The City Council may charge a water waste fee to the customer in an amount set by City Council resolution. E. After notice and a hearing provided in accordance with section 13.30.110 below, the City Council may authorize termination of water service and the charge for same shall be billed to the customer. Except in cases of extreme emergency as solely determined by the City Manager, service shall not be reinstated until verified by the City Manager that the violation has been corrected and all charges and fees have been paid.

13.64.080 Notice and hearing. Before either installing a water restrictor or terminating water service, the City shall give written notice to the person responsible for the service connection to be either restricted or terminated of its intention to do so. The person or persons to whom notice is given shall have five business days from the date of service of the notice to request a hearing before the city manager or his or her designee in order to present any and all evidence they may have as to why a restrictor should not be installed or service terminated. If a hearing is requested, the City Manager or his or her designee shall schedule a date and time for said hearing as soon as possible after the request is filed, but not later than five business days after the filing or such request for hearing. At the hearing, the person whose service connection is to be restricted or terminated and the utilities personnel may offer evidence. The City Manager or his or her designee shall make a final determination as to whether service should be restricted or terminated and under what conditions.

13.64.090 Violation--Additional remedy. As an additional remedy, the violation of any provision of this chapter by any person who has received more than one written warning pursuant to Section 13.30.100 to refrain from the same or any other violation under this chapter in one calendar year shall be deemed and is declared to be, a public nuisance and may be subject to abatement in accordance with Chapter 1.24 of the Rohnert Park Municipal Code.

SECTION 2. Repeal of Conflicting Ordinances. All former Ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance or of the Code hereby adopted are thereby repealed.

SECTION 3. Severability. If any section, subsection, sentence, clause or phrase of this Ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council hereby declares that it should have adopted the Ordinance and each section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional.

SECTION 4. Effective Date: This ordinance shall be in full force and effective 30 days after its adoption and shall be published and posted as required by law.

This ordinance was introduced on the 12th day of October, 2004 and

DULY AND REGULARLY ADOPTED by the City Council of the City of Rohnert Park this _____ day of _____, 2004 by the following vote:

AYES:

NOES:

ABSENT:

ASBSTAIN:

ATTEST:

CITY

FOR
INTRO.
ONLY

City Clerk Judy Hauff

Approved as to Form:

Gabrielle P. Whelan
Interim City Attorney Gabrielle P. Whelan



TARGETS / COMPLIANCE (CUWCC MOU)

Baseline / Initial GPCD
(Use option buttons to select)

GPCD in 2006 114.9
Baseline GPCD (1997 to 2006) 148.3

GPCD in 2010 92.5
GPCD Target for 2018 121.6

Potable Water GPCD for each Year in the
Baseline Period

Year	GPCD
2006	114.9
2005	122.8
2004	140.5
2003	141.1
2002	151.0
2001	157.4
2000	154.9
1999	163.5
1998	157.8
1997	179.3

Biennial GPCD Compliance Table

Year	Report	Target		Highest Acceptable Bound	
		% Base	GPCD	% Base	GPCD
2010	1	96.4%	143.0	100%	148.3
2012	2	92.8%	137.6	96.4%	143.0
2014	3	89.2%	132.3	92.8%	137.6
2016	4	85.6%	127.0	89.2%	132.3
2018	5	82.0%	121.6	82.0%	121.6

Monthly GPCD Data for Weather Normalization

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2010	51.5	63.0	82.5	73.8	90.6	113.2	119.2	137.6	120.9	101.4	77.2	79.7
Baseline avg*	101.5	97.4	110.8	129.0	161.6	195.8	214.1	205.4	189.7	156.4	113.8	104.3

* The average for each month is based on the baseline period 1997 to 2006

SCWA WATER USE											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Jan	32,257	46,268	40,779	35,180	25,319	64,464	42,303	36,051	125,104	123,015	113,299
Feb	30,628	37,470	44,032	36,993	90,152	43,504	43,036	27,925	123,059	106,976	96,448
Mar	31,280	58,975	57,410	60,440	31,850	33,327	42,487	42,187	104,062	118,959	99,314
Apr	44,639	75,918	54,020	62,998	40,364	49,399	52,833	41,397	120,785	120,520	95,114
May	72,334	84,715	35,129	92,805	72,413	96,580	93,378	62,210	188,336	170,180	182,106
Jun	88,951	111,759	85,479	131,169	104,637	126,374	137,300	113,875	156,305	131,464	185,321
Jul	143,691	130,332	138,405	129,174	123,337	161,863	152,621	122,993	111,315	136,010	198,075
Aug	117,298	110,782	153,071	121,430	120,920	140,619	111,428	112,061	182,040	175,701	175,871
Sep	110,456	91,232	120,294	102,359	90,152	92,418	105,436	149,272	159,740	145,996	164,213
Oct	77,221	56,368	93,788	71,816	85,691	82,390	93,130	126,743	151,773	177,005	167,040
Nov	44,639	36,819	84,659	82,116	46,902	44,877	41,442	75,556	134,709	111,462	111,195
Dec	59,301	67,772	49,453	53,526	52,359	33,690	29,637	130,286	113,117	101,119	94,323
Totalx1,000 gal	852,694	908,411	956,519	980,006	884,096	969,505	935,031	1,040,556	1,670,345	1,618,407	1,682,320

WELL PRODUCTION											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
JAN	126,628	103,385	110,760	105,155	82,269	82,698	66,040	93,117	0	1,048	0
FEB	103,404	97,464	82,150	102,416	72,536	73,598	80,354	85,689	278	187	28
MAR	115,579	110,690	87,910	105,904	121,384	107,691	85,509	82,886	60,486	2,489	656
APR	136,542	146,402	101,670	98,906	156,782	148,942	127,791	97,226	43,828	9,741	994
MAY	182,238	165,091	123,459	148,799	147,629	145,694	112,109	138,290	531	4,078	1,168
JUN	167,323	177,525	149,991	165,546	144,436	142,011	110,437	148,333	113,668	55,110	10,433
JUL	204,873	191,363	143,293	162,750	149,964	144,020	162,951	149,751	107,308	83,743	35,683
AUG	164,039	158,092	147,609	151,616	164,171	145,448	147,242	116,681	79,604	71,281	38,355
SEP	172,819	178,402	166,175	165,037	138,636	154,469	154,691	96,225	80,687	45,942	21,353
OCT	158,323	169,374	121,452	135,122	130,519	141,069	124,530	74,913	2,131	2,073	703
NOV	122,411	121,156	84,720	107,041	103,402	82,852	112,237	61,143	9,730	0	1,660
DEC	96,815	122,397	103,388	79,729	92,851	91,977	108,628	2,331	108	0	2,780
Totalx1,000 gal	1,750,994	1,741,341	1,422,577	1,528,021	1,504,579	1,460,469	1,392,519	1,146,586	498,359	275,692	113,813

Total Water Production											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
JAN	158,885	149,653	151,539	140,335	107,588	147,162	108,343	129,168	125,104	124,063	113,299
FEB	134,032	134,934	126,182	139,409	162,688	117,102	123,390	113,614	123,337	107,163	96,476
MAR	146,859	169,665	145,320	166,344	153,234	141,018	127,996	125,073	164,548	121,448	99,970
APR	181,181	222,320	155,690	161,904	197,146	198,341	180,624	138,623	164,613	130,261	96,108
MAY	254,572	249,806	158,588	241,604	220,042	242,274	205,487	200,500	188,867	174,258	183,274
JUN	256,274	289,284	235,470	296,715	249,073	268,385	247,737	262,208	269,973	186,574	195,754
JUL	348,564	321,695	281,698	291,924	273,301	305,883	315,572	272,744	218,623	219,753	233,758
AUG	281,337	268,874	300,680	273,046	285,091	286,067	258,670	228,742	261,644	246,982	214,226
SEP	283,275	269,634	286,469	267,396	228,788	246,887	260,127	245,497	240,427	191,938	185,566
OCT	235,544	225,742	215,240	206,938	216,210	223,459	207,660	201,656	153,904	179,078	167,743
NOV	167,050	157,975	169,379	189,157	150,304	127,729	153,679	136,699	144,439	111,462	112,855
DEC	156,116	190,169	152,841	133,255	145,210	125,667	138,265	132,617	113,225	101,119	97,103
Totalx1,000 gal	2,603,688	2,649,752	2,379,096	2,508,027	2,388,675	2,429,974	2,327,550	2,187,142	2,168,704	1,894,099	1,796,133

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Population	39,843	40,495	41,314	42,025	42,236	42,309	42,233	42,455	42,282	42,262	42,833
GPCD	179	179	158	164	155	157	151	141	141	123	115

The fields in red are required.

Agency name: Primary contact: First name:

Reporting unit name (District name): Last name:

Reporting unit number: 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: Primary contact: First name: Last name: Email:

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

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:

Primary contact:

Reporting unit name (District name):

Last name:

Reporting unit number:

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 ?	Billing Frequency Per Year	# of estimated bills/yr
Single-Family	7,655	7,655	7,655	Bi-monthly	6
Multi-Family	473	473	473	Bi-monthly	6
Commercial	549	549	549	Bi-monthly	6
Industrial	2	2	2	Bi-monthly	6
Dedicated Irr	321	321	321	Bi-monthly	6
Other				Other	
Other				Other	
Other				Other	
Other				Other	
Other				Other	

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.

Primary contact:

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.

Agency name:

First name:

Reporting unit name (District name):

Last name:

Reporting unit number:

Email:



BMP 1.4 Retail Conservation Pricing

[Link to FAQs](#)

[View MOU](#)

If you are reporting more rate structures than this form allows, add the structures to a spreadsheet and send the file to natalie@cuwcc.org.

2009

Implementation (Water Rate Structure)

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

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
<input type="text" value="Increasing Bloc"/>	<input type="text" value="Single-Family"/>	<input type="text" value="1,931,400.00"/>		<input type="text" value="1,682,875.20"/>
<input type="text" value="Increasing Bloc"/>	<input type="text" value="Multi-Family"/>	<input type="text" value="1,405,200.00"/>		<input type="text" value="103,984.32"/>
<input type="text" value="Uniform"/>	<input type="text" value="Commercial"/>	<input type="text" value="501,300.00"/>		<input type="text" value="120,692.16"/>
<input type="text" value="Uniform"/>	<input type="text" value="Industrial"/>	<input type="text" value="3,810.00"/>		<input type="text" value="439.68"/>
<input type="text" value="Uniform"/>	<input type="text" value="Dedicated Irrigatio"/>	<input type="text" value="354,900.00"/>		<input type="text" value="70,568.34"/>
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			

Implementation Option (Conservation Pricing Option)

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

If CWWA is select, enter the file name and email the spreadsheet to natalie@cuwcc.org

Retail Waste Water (Sewer) Rate Structure by Customer Class

Agency Provide Sewer Service Yes No

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

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
<input type="text" value="Uniform"/>	<input type="text" value="Single-Family"/>	<input type="text" value="4,699,740.00"/>		<input type="text" value="99,208.80"/>
<input type="text" value="Uniform"/>	<input type="text" value="Multi-Family"/>	<input type="text" value="3,419,320.00"/>		<input type="text" value="6,130.08"/>
<input type="text" value="Uniform"/>	<input type="text" value="Commercial"/>	<input type="text" value="1,671,000.00"/>		<input type="text" value="7,115.04"/>
<input type="text" value="Uniform"/>	<input type="text" value="Industrial"/>	<input type="text" value="12,192.00"/>		<input type="text" value="25.92"/>
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			

Comments:

Is a Wholesale Agency Performing Website Updates?

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

Enter the name(s) of the wholesale 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	
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		

Comments:

The fields in red are required.



Agency name: Primary contact: First name:

Reporting unit name (District name): Last name:

Reporting unit number: 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](#)

2009

BMP 2.1 Public Outreach Cont'd

[View MOU](#)

Public Outreach Expenses

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

Expense Category	Expense Amount	Personnel Costs Included?
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> <i>If yes, check the check box.</i>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

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? Yes No

Public Outreach Additional Information

Public Information Programs	Importance
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Social Marketing Programs

Branding

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

Describe the brand, theme or mascot.

Market Research

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

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee?

Yes No

Enter the names of the community committees:

--

Training

Training Type	# of Trainings	# of Attendees	Description of Other

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Expense Category	Expense Amount	Description

Partnering Programs - Partners

Name

Type of Program

CLCA?

Green Building Programs?

Master Gardeners?

Cooperative Extension?

Local Colleges?

Other

Russian River Watershed Association (RRWA)

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

Landscape contests or awards

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

Comments:

The City is a member of the Russian River Watershed Association, which conducts some water conservation outreach activities.

The fields in red are required.

Agency name: Primary contact:
 Reporting unit name (District name): First name:
 Reporting unit number: 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, Retail Agencies School Programs

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

Enter Wholesaler Names, separated by commas:

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

2009 BMP 2.2 report from Sonoma County Water Agency is attached.

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.



2009

[Link to FAQs](#)

[View MOU](#)

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)

Town of Windsor, City of Santa Rosa, City of Rohnert Park, City of Cotati, City of Petaluma, North Marin Water District, City of Sonoma, Valley of the Moon Water District

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
1,325	Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets
11	Landscape water conservation media campaigns
19	General water conservation information
	Select a public contact
	Select a public contact

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)

Town of Windsor, City of Santa Rosa, City of Rohnert Park, City of Cotati, City of Petaluma, North Marin Water District, City of Sonoma, Valley of the Moon Water District

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
12		Articles or stories resulting from outreach
20		News releases
125		Newspaper contacts
13		Television contacts
10		Radio contacts
		Select a type of media contact

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)

Town of Windsor, City of Santa Rosa, City of Rohnert Park, City of Cotati, City of Petaluma, North Marin Water District, City of Sonoma, Valley of the Moon Water District

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

www.sonomacountywater.org

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

- Water tips updated
- Save Our Water program link updated
- Campaign updated on conservation page
- Monthly water tips updated

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? <small>If yes, check the box.</small>	Comments
CII	\$85,000		<input checked="" type="checkbox"/>	Business Environmental Alliance
General	\$20,000		<input type="checkbox"/>	Sonoma County Fair
General	\$75,000		<input type="checkbox"/>	Summer Campaign
Landscape	\$15,000		<input type="checkbox"/>	Qualified Water Efficient Landscaper
Landscape	\$5,000		<input type="checkbox"/>	Bay Friendly Landscaping
			<input type="checkbox"/>	

Comments:

As a wholesaler we also do public outreach on behalf of our retailers. The flyers and/or brochures... are materials distributed at the Sonoma County Fair.

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: Primary contact: First name:

Reporting unit name (District name): Last name:

Reporting unit number: 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](#)

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 Apparent Loss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)
157						

Comments:

The fields in red are required.

Agency name:

Primary contact:

Reporting unit name (District name)

Last name:

Reporting unit number:

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 ?	Billing Frequency Per Year	# of estimated bills/yr
Single-Family	<input type="text" value="7,655"/>	<input type="text" value="7,655"/>	<input type="text" value="7,655"/>	Bi-monthly	<input type="text" value="6"/>
Multi-Family	<input type="text" value="473"/>	<input type="text" value="473"/>	<input type="text" value="473"/>	Bi-monthly	<input type="text" value="6"/>
Commercial	<input type="text" value="549"/>	<input type="text" value="549"/>	<input type="text" value="549"/>	Bi-monthly	<input type="text" value="6"/>
Industrial	<input type="text" value="2"/>	<input type="text" value="2"/>	<input type="text" value="2"/>	Bi-monthly	<input type="text" value="6"/>
Dedicated Irr	<input type="text" value="321"/>	<input type="text" value="321"/>	<input type="text" value="321"/>	Bi-monthly	<input type="text" value="6"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	Other	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	Other	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	Other	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	Other	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	Other	<input type="text"/>

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.

Primary contact:

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.

Agency name:

First name:

Reporting unit name (District name):

Last name:

Reporting unit number:

Email:



2010

BMP 1.4 Retail Conservation Pricing

[Link to FAQs](#)

[View MOU](#)

If you are reporting more rate structures than this form allows, add the structures to a spreadsheet and send the file to natalie@cuwcc.org.

Implementation (Water Rate Structure)

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

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
<input type="text" value="Increasing Bloc"/>	<input type="text" value="Single-Family"/>	<input type="text" value="1,603,500.00"/>		<input type="text" value="1,682,875.20"/>
<input type="text" value="Increasing Bloc"/>	<input type="text" value="Multi-Family"/>	<input type="text" value="1,433,700.00"/>		<input type="text" value="103,984.32"/>
<input type="text" value="Uniform"/>	<input type="text" value="Commercial"/>	<input type="text" value="408,900.00"/>		<input type="text" value="120,692.16"/>
<input type="text" value="Uniform"/>	<input type="text" value="Industrial"/>	<input type="text" value="130.50"/>		<input type="text" value="439.68"/>
<input type="text" value="Uniform"/>	<input type="text" value="Dedicated Irrigatio"/>	<input type="text" value="308,100.00"/>		<input type="text" value="70,568.64"/>
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			

Implementation Option (Conservation Pricing Option)

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

If CWWA is select, enter the file name and email the spreadsheet to natalie@cuwcc.org

Retail Waste Water (Sewer) Rate Structure by Customer Class

Agency Provide Sewer Service Yes No

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

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)
<input type="text" value="Uniform"/>	<input type="text" value="Single-Family"/>	<input type="text" value="3,901,850.00"/>		<input type="text" value="99,208.80"/>
<input type="text" value="Uniform"/>	<input type="text" value="Multi-Family"/>	<input type="text" value="3,488,670.00"/>		<input type="text" value="6,130.08"/>
<input type="text" value="Uniform"/>	<input type="text" value="Commercial"/>	<input type="text" value="1,363,000.00"/>		<input type="text" value="7,115.04"/>
<input type="text" value="Uniform"/>	<input type="text" value="Industrial"/>	<input type="text" value="416.16"/>		<input type="text" value="25.92"/>
<input type="text" value="Select a Rate S"/>	<input type="text" value="Select a Custome"/>			
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			
<input type="text" value="Select a Rate S"/>	<input type="text" value="Other"/>			

Comments:

Is a Wholesale Agency Performing Website Updates?

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

Enter the name(s) of the wholesale 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
		<input type="checkbox"/>	

Comments:

The fields in red are required.



Agency name: Primary contact: First name:

Reporting unit name (District name): Last name:

Reporting unit number: 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](#)

2010

BMP 2.1 Public Outreach Cont'd

[View MOU](#)

Public Outreach Expenses

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

Expense Category	Expense Amount	Personnel Costs Included?
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> If yes, check the check box.
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

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? Yes No

Public Outreach Additional Information

Public Information Programs	Importance
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Social Marketing Programs

Branding

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

Describe the brand, theme or mascot.

Market Research

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

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee?

Yes No

Enter the names of the community committees:

--

Training

Training Type	# of Trainings	# of Attendees	Description of Other

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Expense Category	Expense Amount	Description

Partnering Programs - Partners

Name

Type of Program

CLCA?

Green Building Programs?

Master Gardeners?

Cooperative Extension?

Local Colleges?

Other

Russian River Watershed Association

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

Landscape contests or awards

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

Comments:

The City is a member of the Russian River Watershed Association which conducts some water conservation outreach activities.

The fields in red are required.

Agency name: Primary contact: First name:
 Reporting unit name (District name): Last name:
 Reporting unit number: 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, Retail Agencies School Programs

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

Enter Wholesaler Names, separated by commas:

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

2010 BMP 2.2 report from Sonoma County Water Agency is attached.

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
1,325	Newsletter articles on conservation
11	Newsletter articles on conservation
19	General water conservation information
	Select a public contact
	Select a public contact

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
12		Articles or stories resulting from outreach
20		News releases
125		Newspaper contacts
13		Television contacts
10		Radio contacts
		Select a type of media contact

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)

Town of Windsor, City of Santa Rosa, City of Rohnert Park, City of Cotati, City of Petaluma, North Marin Water District, City of Sonoma, Valley of the Moon Water District

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

www.sonomacountywater.org

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

- Water tips updated
- Save Our Water program link updated
- Campaign updated on conservation page
- Monthly water tips updated

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? <small>If yes, check the box.</small>	Comments
CII	\$85,000		<input checked="" type="checkbox"/>	Business Environmental Alliance
General	\$20,000		<input type="checkbox"/>	Sonoma County Fair
General	\$75,000		<input type="checkbox"/>	Summer Campaign
Landscape	\$15,000		<input type="checkbox"/>	Qualified Water Efficient Landscaper
Landscape	\$5,000		<input type="checkbox"/>	Bay Friendly Landscaping
			<input type="checkbox"/>	

Comments:

As a wholesaler we also do public outreach on behalf of our retailers. The flyers and/or brochures... are materials distributed at the Sonoma County Fair.

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

City of Rohnert Park
Table I-2 Urban Water Management Plan checklist, organized by subject

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
PLAN PREPARATION				
4	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	10620(d)(2)		Section 1.2.1 Table 1.2
6	Notify, at least 60 days prior to the public hearing on the plan required by Section 10642, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. Any city or county receiving the notice may be consulted and provide comments.	10621(b)		Section 1.2.2 Table 1.3 Appendix A.1
7	Provide supporting documentation that the UWMP or any amendments to, or changes in, have been adopted as described in Section 10640 et seq.	10621(c)		Section 1.3 Appendix A.5
54	Provide supporting documentation that the urban water management plan has been or will be provided to any city or county within which it provides water, no later than 60 days after the submission of this urban water management plan.	10635(b)		Section 1.3
55	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	10642		Section 1.2
56	Provide supporting documentation that the urban water supplier made the plan available for public inspection and held a public hearing about the plan. For public agencies, the hearing notice is to be provided pursuant to Section 6066 of the Government Code. The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water. Privately-owned water suppliers shall provide an equivalent notice within its service area.	10642		Section 1.2.2 Appendix A.2 Appendix A.3
57	Provide supporting documentation that the plan has been adopted as prepared or modified.	10642		Section 1.3 Appendix A.5
58	Provide supporting documentation as to how the water supplier plans to implement its plan.	10643		Section 1.3 Table 1.4

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
59	Provide supporting documentation that, in addition to submittal to DWR, the urban water supplier has submitted this UWMP to the California State Library and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. This also includes amendments or changes.	10644(a)		Section 1.3 Appendix A.6
60	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the urban water supplier has or will make the plan available for public review during normal business hours	10645		Section 1.3
SYSTEM DESCRIPTION				
8	Describe the water supplier service area.	10631(a)		Section 2.1
9	Describe the climate and other demographic factors of the service area of the supplier	10631(a)		Section 2.3 Table 2.1
10	Indicate the current population of the service area	10631(a)	Provide the most recent population data possible. Use the method described in "Baseline Daily Per Capita Water Use." See Section M.	Section 2.4
11	Provide population projections for 2015, 2020, 2025, and 2030, based on data from State, regional, or local service area population projections.	10631(a)	2035 and 2040 can also be provided to support consistency with Water Supply Assessments and Written Verification of Water Supply documents.	Section 2.4 Table 2.2
12	Describe other demographic factors affecting the supplier's water management planning.	10631(a)		Section 2.2 Section 2.4
SYSTEM DEMANDS				
1	Provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	10608.20(e)		Section 3.1
2	<i>Wholesalers:</i> Include an assessment of present and proposed future measures, programs, and policies to help achieve the water use reductions. <i>Retailers:</i> Conduct at least one public hearing that includes general discussion of the urban retail water supplier's implementation plan for complying with the Water Conservation Bill of 2009.	10608.36 10608.26(a)	Retailers and wholesalers have slightly different requirements	Section 1.3 Table 1.4

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
3	Report progress in meeting urban water use targets using the standardized form.	10608.40		Section 6 Rohnert Park reports through SCWA's Regional Alliance described in Section 3.1
25	Quantify past, current, and projected water use, identifying the uses among water use sectors, for the following: (A) single-family residential, (B) multifamily, (C) commercial, (D) industrial, (E) institutional and governmental, (F) landscape, (G) sales to other agencies, (H) saline water intrusion barriers, groundwater recharge, conjunctive use, and (I) agriculture.	10631(e)(1)	Consider 'past' to be 2005, present to be 2010, and projected to be 2015, 2020, 2025, and 2030. Provide numbers for each category for each of these years.	Section 3.2
33	Provide documentation that either the retail agency provided the wholesale agency with water use projections for at least 20 years, if the UWMP agency is a retail agency, OR, if a wholesale agency, it provided its urban retail customers with future planned and existing water source available to it from the wholesale agency during the required water-year types	10631(k)	Average year, single dry year, multiple dry years for 2015, 2020, 2025, and 2030.	Section 3.3 Table 3.17
34	Include projected water use for single-family and multifamily residential housing needed for lower income households, as identified in the housing element of any city, county, or city and county in the service area of the supplier.	10631.1(a)		Section 3.2.6 Table 3.16
SYSTEM SUPPLIES				
13	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, and 2030.	10631(b)	The 'existing' water sources should be for the same year as the "current population" in line 10. 2035 and 2040 can also be provided.	Section 4.1
14	Indicate whether groundwater is an existing or planned source of water available to the supplier. If yes, then complete 15 through 21 of the UWMP Checklist. If no, then indicate "not applicable" in lines 15 through 21 under the UWMP location column.	10631(b)	Source classifications are: surface water, groundwater, recycled water, storm water, desalinated sea water, desalinated brackish groundwater, and other.	Section 4.3

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
15	Indicate whether a groundwater management plan been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	10631(b)(1)		Section 4.3.2
16	Describe the groundwater basin.	10631(b)(2)		Section 4.3.3
17	Indicate whether the groundwater basin is adjudicated? Include a copy of the court order or decree.	10631(b)(2)		Section 4.3.3.3
18	Describe the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. If the basin is not adjudicated, indicate "not applicable" in the UWMP location column.	10631(b)(2)		Not Applicable
19	For groundwater basins that are not adjudicated, provide information as to whether DWR has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition. If the basin is adjudicated, indicate "not applicable" in the UWMP location column.	10631(b)(2)		Section 4.3.4
20	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	10631(b)(3)		Section 4.3.4
21	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	10631(b)(4)	Provide projections for 2015, 2020, 2025, and 2030.	Section 4.3.5
24	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	10631(d)		Section 4.4
30	Include a detailed description of all water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years, excluding demand management programs addressed in (f)(1). Include specific projects, describe water supply impacts, and provide a timeline for each project.	10631(h)		Section 4.8 Table 4.12
31	Describe desalinated water project opportunities for long-term supply, including, but not limited to, ocean water, brackish water, and groundwater.	10631(i)		Section 4.5
44	Provide information on recycled water and its potential for use as a water source in the service area of the urban water supplier. Coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	10633		Section 4.6

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
45	Describe the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	10633(a)		Section 4.6.2
46	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	10633(b)		Section 4.6.2 Tables 4.5 and 4.6
47	Describe the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.	10633(c)		Section 4.6.3
48	Describe and quantify the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.	10633(d)		Section 4.6.4 Table 4.7
49	The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	10633(e)		Section 4.6.4 Section 4.6.5 Table 4.8
50	Describe the actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.	10633(f)		Section 4.6.6 Table 4.9
51	Provide a plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.	10633(g)		Section 4.6.4
WATER SHORTAGE RELIABILITY AND WATER SHORTAGE CONTINGENCY PLANNING ^b				
5	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	10620(f)		Section 3.4 Section 6
22	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage and provide data for (A) an average water year, (B) a single dry water year, and (C) multiple dry water years.	10631(c)(1)		Section 5.2
23	For any water source that may not be available at a consistent level of use - given specific legal, environmental, water quality, or climatic factors - describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.	10631(c)(2)		Section 5.3 Section 5.4

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
35	Provide an urban water shortage contingency analysis that specifies stages of action, including up to a 50-percent water supply reduction, and an outline of specific water supply conditions at each stage	10632(a)		Section 5.7 Table 5.9
36	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.	10632(b)		Section 5.7.2 Table 5.5
37	Identify actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.	10632(c)		Section 5.7.3 Table 5.10
38	Identify additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.	10632(d)		Section 5.7.4 Table 5.11
39	Specify consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.	10632(e)		Section 5.7.4 Table 5.13
40	Indicated penalties or charges for excessive use, where applicable.	10632(f)		Section 5.7.4 Table 5.12
41	Provide an analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.	10632(g)		Section 5.7.5
42	Provide a draft water shortage contingency resolution or ordinance.	10632(h)		Section 5.7.6 Appendix F
43	Indicate a mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.	10632(i)		Section 5.7.7
52	Provide information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments, and the manner in which water quality affects water management strategies and supply reliability	10634	For years 2010, 2015, 2020, 2025, and 2030	Section 5.4

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
53	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. Base the assessment on the information compiled under Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.	10635(a)		Section 5.5
DEMAND MANAGEMENT MEASURES				
26	Describe how each water demand management measures is being implemented or scheduled for implementation. Use the list provided.	10631(f)(1)	Discuss each DMM, even if it is not currently or planned for implementation. Provide any appropriate schedules.	Section 6.3 Section 6.4
27	Describe the methods the supplier uses to evaluate the effectiveness of DMMs implemented or described in the UWMP.	10631(f)(3)		Section 6.3 Section 6.4
28	Provide an estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the ability to further reduce demand.	10631(f)(4)		Section 6.5
29	Evaluate each water demand management measure that is not currently being implemented or scheduled for implementation. The evaluation should include economic and non-economic factors, cost-benefit analysis, available funding, and the water suppliers' legal authority to implement the work.	10631(g)	See 10631(g) for additional wording.	Section 6
32	Include the annual reports submitted to meet the Section 6.2 requirements, if a member of the CUWCC and signer of the December 10, 2008 MOU.	10631(j)	Signers of the MOU that submit the annual reports are deemed compliant with Items 28 and 29.	Appendix G

a The UWMP Requirement descriptions are general summaries of what is provided in the legislation. Urban water suppliers should review the exact legislative wording prior to submitting its UWMP.

b The Subject classification is provided for clarification only. It is aligned with the organization presented in Part I of this guidebook. A water supplier is free to address the UWMP Requirement anywhere with its UWMP, but is urged to provide clarification to DWR to facilitate review.