

APPENDIX G
Conserved Water

RESOLUTION NO. 09-64

DECLARING AN INTENT TO RETAIN CONTROL OF CONSERVED WATER

WHEREAS, the City has contractual entitlements to divert water from Folsom Reservoir, under which the City diverts and treats water for distribution to its residents and water users; and

WHEREAS, the City plans to implement a series of water conservation projects and programs for the purpose of eliminating losses of water within its water transmission and distribution system and for reducing consumption of water by its customers through on-site efficiency improvements and curtailment of water waste; and

WHEREAS, Water Code section 1011 provides that water is deemed conserved when less water is used to accomplish the same purposes of use allowed under a water right and that such cessation or reduction in use is deemed a beneficial use of a water right to the extent of such cessation or reduction in use; and

WHEREAS, Water Code section 1011 and the City's CVP water service contract authorizes the City to make water conserved as a result of such water conservation projects and programs available for use, sale, lease, exchange or short- or long-term transfers inside and outside of the City; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville as follows:

1. The foregoing recitals are true and are incorporated into this Resolution by this reference.
2. The City Council finds and determines that: (a) making significant investments in infrastructure and administrative resources protects the City's water supplies for the benefit of all residents and water users in the City; (b) protecting all of the City's water supplies is of paramount importance to the health and welfare of the City's residents and water users; (c) conserving water through reductions in use is intended to promote statewide policies mandating and encouraging beneficial use of water; and (d) preserving conserved water supplies and making those supplies available for use, sale or transfer is in the best interests of the City and its residents and water users.
3. The City Council declares that, by instituting programs to conserve water, it abandons no right, title or interest in or to any City water rights, contractual entitlements or any appurtenant rights necessary to exercise such water rights or entitlements.
4. In accordance with Water Code section 1011 and any contractual rights, the City reserves the right to sell, lease, exchange, or otherwise transfer for use within or outside of the City's boundaries all water that has been conserved as a result of its water conservation projects and programs.

5. The Environmental Utilities Director and staff are directed to take all actions necessary to implement this Resolution, including the filing of annual reports of reductions in water use resulting from any water conservation projects and programs carried out under this Resolution with the State Water Resources Control Board.

PASSED AND ADOPTED by the City Council of the City of Roseville on the 18th day of February 2009, by the following vote:

AYES COUNCILMEMBERS: Allard, Gray, Garcia, Roccucci, Garbolino

NOES COUNCILMEMBERS: None

ABSENT COUNCILMEMBERS: None


MAYOR

Attest:


City Clerk

APPENDIX H
Water Shortage Contingency Measures

City of Roseville Municipal Code
Chapter 14.09

14.09.040 Water conservation and drought stages.

The following water conservation and drought stages are hereby established:

- A. Basic Water Conservation Stage (“Basic Stage”). The basic stage shall exist when the city’s water supply is adequate to meet all projected demands as determined by the director or designee.
- B. Stage One Drought. A stage one drought shall exist when the city’s water supply is adequate to meet 90 percent of projected demands as determined by the director or designee. An objective of a stage one drought condition is to reduce water usage by 10 percent. Water shortage surcharges shall be implemented as set forth in Section 14.08.095.
- C. Stage Two Drought. A stage two drought shall exist when the city’s water supply is adequate to meet 80 percent of projected demands as determined by the director or designee. An objective of a stage two drought condition is to reduce water usage by 20 percent. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095.
- D. Stage Three Drought. A stage three drought shall exist when the city’s water supply is adequate to meet 70 percent of projected demands as determined by the director or designee. An objective of a stage three drought condition is to reduce water usage by 30 percent. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095.
- E. Stage Four Drought. A stage four drought shall exist when the city’s water supply is adequate to meet 60 percent of projected demands as determined by the director or designee. An objective of a stage four drought condition is to reduce water usage by 40 percent. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095.
- F. Stage Five Drought. A stage five drought shall exist when the city’s water supply is adequate to meet 50 percent or less of projected demands as determined by the director or designee. An objective of a stage five drought condition is to reduce water usage by 50 percent. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095. (Ord. 4724 § 3, 2009; Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.060 Basic stage restrictions.

During the basic water conservation stage, the following restrictions shall be in force:

Water shall be used for beneficial purposes only; all unnecessary and wasteful uses of water are prohibited.

A. Water shall be confined to the user's property and shall not be allowed to runoff to adjoining properties, or to the roadside or to the gutter. Care shall be taken not to water past the point of saturation.

B. Free-flowing hoses for all uses are prohibited. Automatic shut-off devices shall be attached on any hose or filling apparatus in use.

C. Leaking pipes or faulty sprinklers shall be repaired within five calendar days or less if warranted by the severity of the problem as determined in the discretion of the director or his or her designee.

D. All pools, spas, and ornamental fountains/ponds shall be equipped with a recirculation pump and shall be constructed to be leak-proof. Pool draining and refilling shall be allowed only to the extent required for health, maintenance, or structural considerations, and must otherwise comply with all applicable federal, state and local stormwater management program requirements, including, but not limited to, the urban stormwater quality management and discharge control ordinance set forth in Chapter 14.20 of Title 14 of the City of Roseville Municipal Code.

E. Landscaping.

1. All landscaping installed in the City of Roseville shall comply with the water efficient landscape requirements adopted by resolution of the city council.

2. This section shall not apply to landscaping installed for single-family homes, except for developer-installed landscaping, or to landscaping for cemeteries.

F. Water Reclamation. All site reviews shall include an evaluation of water reclamation and recycling, and use of reclaimed water from the city shall be required if economically feasible. (Ord. 4629 § 1, 2008; Ord. 2762 § 1 (part), 1993; Ord. 2413 § 2 (part), 1991.)

14.09.070 Stage one drought restrictions.

During a stage one drought, the following restrictions shall be enforced:

A. All basic stage restrictions required by Section 14.09.060 shall continue in place, except to the extent they are replaced by more restrictive conditions imposed by this section.

- B. All city users are to reduce water use by 10 percent.
- C. Washing streets, parking lots, driveways, sidewalks or buildings, except as necessary for health or sanitary purposes, is prohibited.
- D. Restaurants. Water shall not be served at restaurants except by request.
- E. Water shortage surcharges shall be implemented as set forth in Section 14.08.095. (Ord. 4724 § 3, 2009; Ord. 4629 § 1, 2008; Ord. 2817 § 1 (part), 1994; Ord. 2636 § 1, 1992; Ord. 2413 § 2 (part), 1991.)

14.09.080 Stage two drought restrictions.

During a stage two drought, the following restrictions shall be enforced:

- A. All basic stage and stage one restrictions required by Sections 14.09.060 and 14.09.070 shall continue in place, except to the extent they are replaced by more restrictive conditions imposed by this section.
- B. Residential users shall reduce water usage by 20 percent.
- C. Nonresidential users (including without limitation, commercial, industrial, church and publicly-owned users) shall reduce irrigation by 30 percent percent for existing landscaping.
- D. Washing of vehicles or boats is prohibited except:
 - 1. When using a hose that is equipped with a control nozzle capable of completely shutting off the flow of water except when positive action or pressure to maintain the flow of water is applied, or
 - 2. When washed in either an automatic or manual commercial car wash. This exemption does not apply to temporary car washes, held for fundraising purposes, or to any car wash in which the water is applied via a hand held garden type (non-pressure) hose.
- E. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095. (Ord. 4724 § 3, 2009; Ord. 4629 § 1, 2008; Ord. 2611 § 1, 1992.)

14.09.090 Stage three drought restrictions.

During a stage three drought, the following restrictions shall be enforced:

A. All basic stage, stage one, and stage two restrictions required by Sections 14.09.060, 14.09.070 and 14.09.080 shall continue in place, except to the extent they are replaced by more restrictive conditions imposed by this section.

B. Residential users are to reduce water usage by 30 percent.

C. Nonresidential users (including without limitation, commercial, industrial, church, and publicly owned users) shall reduce irrigation by 50 percent for existing landscaping.

D. New or expanded landscaping is limited to drought-tolerant trees, shrubs, and ground-cover. No new turf or grass shall be planted, hydroseeded, or laid.

E. Except where reclaimed water is used, golf course fairways shall not be watered. One-half of the turf areas in all city parks and median strips shall not be watered.

F. All decorative fountains, decorative (i.e., nonswimming) pools, and decorative waterways shall be drained and made dry. Such fountains, pools, and waterways shall not be refilled until the city has returned to the basic water conservation stage.

G. Construction Water. Except where reclaimed water is used, use of water for dust control shall be augmented by hardened, temporary travel routes. Nonpotable water shall be used to the greatest extent possible.

H. Swimming Pools. If drained, such swimming pools shall not be refilled until the city has returned to the basic water conservation stage.

I. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095. (Ord. 4724 § 3, 2009; Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.100 Stage four drought restrictions.

During a stage four drought, the following restrictions shall be enforced:

A. All basic stage, stage one, stage two, and stage three restrictions required by Sections 14.09.060, 14.09.070, 14.09.080 and 14.09.090 shall continue in place, except to the extent they are replaced by more restrictive conditions imposed by this section.

B. Residential customers are to reduce water usage by 40 percent.

C. All nonresidential users (including without limitation, commercial, industrial, church, and publicly-owned users) shall reduce irrigation by 75 percent for existing landscaping.

D. Installation of any new landscaping is prohibited.

E. Automobiles or equipment shall be washed only at commercial establishments that use recycled water.

F. No commitments shall be made to provide service for new water service connections until the city has returned to a stage two drought restriction.

G. Except where recycled water is used, no turf in city parks or medians shall be irrigated.

H. Construction Water. Except where recycled or other nonpotable water is used, use of water for dust control is prohibited.

I. Swimming Pools. Filling pools and spas is prohibited.

J. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095.(Ord. 4724 § 3, 2009; Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.110 Stage five drought restrictions.

During a stage five drought, the following restrictions shall be in force:

A. All basic stage, or stage one, stage two, stage three and stage four restrictions required by Sections 14.09.060, 14.09.070, 14.09.080, 14.09.090 and 14.09.100 shall continue in place, except to the extent they are replaced by more restrictive conditions imposed by this section.

B. Residential users are to reduce water usage by 50 percent.

C. Except where recycled water is used, turf or grass shall not be irrigated.

No persons shall irrigate any landscaping except a tree, shrub, or drought-tolerant groundcover. No irrigation shall be done except by handheld hose equipped with a nozzle capable of completely shutting off the flow of water except when positive action or pressure to maintain the flow of water is applied.

D. Water shortage surcharges and excess water use charges shall be implemented as set forth in Section 14.08.095. (Ord. 4724 § 3, 2009; Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

APPENDIX I
CUWCC BMP Retail Coverage Report 2009-2010



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

Agency: **City of Roseville**
Retail

District Name: **City of Roseville**

CUWCC Unit #: **5992**

Primary Contact **Lisa Brown**

Telephone **916-746-1710**

Email: **lbrown@roseville.ca.us**

Compliance Option Chosen By Reporting Agency:
(Traditional, Flex Track or GPCD)

GPCD if used:

GPCD in 2010	225
GPCD Target for 2018	250

Year	Report	Target		Highest Acceptable Bound	
		% Base	GPCD	% Base	GPCD
2010	1	96.4%	294	100%	305
2012	2	92.8%	283	96%	294
2014	3	89.2%	272	93%	283
2016	4	85.6%	261	89%	272
2018	5	82.0%	250	82%	250

Not on Track if 2010 GPCD is \geq than target

GPCD in 2010 **225**

Highest

Acceptable GPCD **305**

for 2010

On Track



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

Foundational BMPs

BMP 1.1 Operational Practices

		2009	2010	
1. Conservation Coordinator provided with necessary resources to implement BMPs?	Name	Lisa Brown	Lisa Brown	Conservation Coordinator provided with necessary resources to implement BMPs?
	Title	Water Conservation Administrator	Water Conservation Administrator	
	Email		lbrown@roseville.ca.us	
		On Track	On Track	
2. Water waste prevention documentation				On Track if any one of the 6 ordinance actions done, plus documentation or links provided
	Descriptive File	0	0	
	Descriptive File 2010			
	URL	City of Roseville Municipal Code Title 14 Public Utilities Chapter		
	URL 2010		http://qcode.us/codes/roseville/ ; http://www.roseville.ca.us/planning/water_efficient_landscape_ordinance	
	Describe Ordinance Terms	City of Roseville Municipal Code Title 14 Public Utilities Chapter		
	Describe Ordinance Terms 2010		City of Roseville Municipal Code Title 14 Public Utilities Chapter 14.09 (link included)	
		On Track	On Track	



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

BMP 1.2 Water Loss Control

	2009	
Complete a prescreening Audit	Yes	On Track
Metered Sales	33,598	
Verifiable Other Uses	151	
Total Supply	33,749	
(Metered Sales + System uses)/ Total Supply >0.89	1.00	On Track
If ratio is less than 0.9, complete a full scale Audit in 2009?	N/A	On Track
Verify Data with Records on File?	Yes	On Track
Operate a system Leak Detection Program?	Yes	On Track

On Track if Yes

On Track if =>.89, Not on Track if No

On Track if Yes

On Track if Yes

On Track if Yes

	2010	
Compile Standard Water Audit using AWWA Software?	Yes	On Track
AWWA file provided to CUWCC?	2010 audit	On Track
AWWA Water Audit Validity Score?	69	
Completed Training in AWWA Audit Method?	yes	
Completed Training in Component Analysis Process?	No	
Complete Component Analysis?	No	
Repaired all leaks and breaks to the extent cost effective?	Yes	On Track
Locate and repair unreported leaks to the extent cost effective.	Yes	On Track
Maintain a record-keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.		
Provided 7 types of Water Loss Control Info		
Leaks Repaired	186	
Value Real Losses	\$ 125,301	
Value Apparent Losses	\$ 20,344	
Miles Surveyed	0	
Press Reduction	Off	
Cost of Interventions	\$ -	
Water Saved	0	

On Track if Yes, Not on Track if No

On Track if Yes, Not on Track if No

Info only until 2012

Info only until 2012

Info only until 2012

On Track if Yes, Not on Track if No

On Track if Yes, Not on Track if No

Info only until 2012

Info only until 2012



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

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

	2009		2010		
Exemption or 'At least as Effective As' accepted by CUWCC				If signed MOU prior to 31 Dec 1997, On Track if all connections metered; If signed after 31 Dec 1997, complete meter installations by 1 July 2012 or within 6 yrs of signing and 20% biannual reduction of unmetered connections.	
Number of Unmetered Accounts	3961	On Track	2829	On Track	On Track if no unmetered accounts
Metered Accounts billed by volume of use	Yes	On Track	Yes	On Track	Volumetric billing required for all connections on same schedule as metering
Number of CII accounts with Mixed Use meters	124		119		Info only
Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	No		No		Info only
Feasibility Study provided to CUWCC?	No		No		Info only
Completed a written plan, policy or program to test, repair and replace meters	Yes	On Track	Yes	On Track	On Track if Yes, Not on Track if No



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

Agency: **City of Roseville**
 Retail
 Primary Contact: Lisa Brown

District Name: **City of Roseville**
 Email: lbrown@roseville.ca.us

CUWCC Unit #: **5992**
 Coverage Report Date: **May 19, 2011**

1.4 Retail Conservation Pricing Metered Water Rate Structure

Date 2009 data received May 26, 2011
 Date 2010 data received May 26, 2011

On Track if: Increasing Block, Uniform, Allocation, Standby Service; Not on Track if otherwise

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Increasing Block	Yes	Single-Family	Increasing	Yes
Commercial	Uniform	Yes	Commercial	Uniform	Yes
Single-Family	Non-Volumetric Flat Rate	No	Single-Family	Non-Volumetric Flat Rate	No
Commercial	Non-Volumetric Flat Rate	No	Commercial	Non-Volumetric Flat Rate	No
Dedicated Irrigation	Uniform	Yes	Dedicated Irrigation	Uniform	Yes

Year Volumetric Rates began for Agencies with some Unmetered Accounts

Info only

Agencies with Partially Metered Service Areas: If signed MOU prior to 31 Dec. 1997, implementation starts no later than 1 July 2010. If signed MOU after 31 Dec. 1997, implementation starts no later than 1 July 2013, or within seven years of signing the MOU,



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

Adequacy of Volumetric Rates) for Agencies with No Unmetered Accounts

Customer Class	2009 Rate Type	2009 Volumetric Revenues \$1000s	2010 Rate Type	2010 Volumetric Revenues \$1000s
Single-Family	Increasing Block	\$ 2,971	Single-Family	\$ 3,331
Commercial	Uniform	\$ 1,410	Commercial	\$ 1,479
Single-Family	Non-Volumetric Flat Rate	\$ 1,728	Single-Family	\$ 1,226
Commercial	Non-Volumetric Flat Rate	\$ 224	Commercial	\$ 228
Dedicated Irrigation	Uniform	\$ 1,775	Dedicated Irrigation	\$ 1,715
Other		\$ 452		\$ 428
Other		\$ -		\$ -
Total Revenue Commodity Charges (V):		\$ 8,559		
Total Revenue Fixed Charges (M):		\$ 6,560		
Calculate: V / (V + M):		57%		
		On Track		

Agency Choices for rates:

A) Agencies signing MOU prior to 13 June2007, implementation starts 1 July2007: On Track if $(V / (V + M)) \geq 70\% \times .8 = 56\%$ for 2009 and $70\% \times 0.90 = 63\%$ for 2010; Not on track if $(V / (V + M)) < 70\%$; Info only until 2011

B) Use Canadian model. Agencies signing MOU after 13 June2007, implementation starts July 1 of year following signing.

Canadian Water & Wastewater Rate Design Model Used and Provided to CUWCC **No**
If Canadian Model is used, was 1 year or 3 year period applied? **No**

Wastewater Rates

Does Agency Provide Sewer Service? **2009 Yes** If 'No', then wastewater rate info not required. **2010 Yes**

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Non-Volumetric Flat Rate	No	Single-Family	Non-Volumetric Flat Rate	No
Commercial	Non-Volumetric Flat Rate	No	Commercial	Non-Volumetric Flat Rate	No
Commercial	Allocation Based	No	Commercial	Allocation Based	No
Info Only			Info Only		

On Track if: 'Increasing Block', 'Uniform', 'based on long term marginal cost' or 'next unit of capacity'



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

BMP 2. EDUCATION PROGRAMS

BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

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

	2009	2010
	6	6
	4	4
	Yes	yes
	Newsletter articles on conservation Website Email Messages Newsletter articles on conservation Articles or stories resulting from outreach Newspaper contacts Radio contacts Television contacts	Newsletter articles on conservation Website General water conservation information Newsletter articles on conservation Articles or stories resulting from outreach News releases Newspaper contacts Radio contacts
	\$ 101,296	\$ 267,624
	Description is too large for text area. Data will be stored in the BMP Reporting database when online.	Description is too large for text area. Data will be stored in the BMP Reporting database when online.
	On Track for 6 Actions	On Track for 6 Actions

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



CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

Foundation Best Management Practices for Urban Water Efficiency

2.2 School Education Programs Implemented and Reported to CUWCC

	2009	2010	
Does a wholesale agency implement School Education Programs for this unility's benefit?	Yes	Yes	
Name of Wholesale Supplier?	Regional Water Authority	Regional Water Authority	
1) Curriculum materials developed and/or provided by agency	Newspaper in Education program insert, California water way map, student contests, watershed workshop and water cycle/water conservation workshops	Project WET	Yes/ No
2) Materials meet state education framework requirements and are grade-level appropriate?	Yes	Yes	All 5 actions types implemented and reported to CUWCC to be 'On Track'
3) Materials Distributed to K-6?	Yes	Yes	
Describe K-6 Materials	Newspaper in Education program insert, California water way map, student contests, watershed workshop and water cycle/water conservation workshops	Newspaper in Education program insert to participating schools, California water way map, student contests, watershed and water cycle/conservation workshops, LivingWise 6th grade program.	Describe materials to meet minimum requirements
Materials distributed to 7-12 students?	No	No	Info Only
4) Annual budget for school education program.	\$ 37,800	\$ 39,657	
5) Description of all other water supplier education programs	Roseville Utility Exploration Center exhibit tours (water conservation/watershed); Adventure Club presentations, Banana Slugs String Band (singing of water conservation, ecology and energy); Placer Nature Center (conservation and watershed)	Roseville Utility Exploration Center exhibit tours (conservation/watershed); Adventure Club presentations; Banana Slug String Band (songs about water conservation/energy/ecology); Placer Nature Center (conservation/watershed).	
	See Wholesale Report	See Wholesale Report	
	On Track	On Track	

APPENDIX J
Municipal Code Water Waste Ordinance

City of Roseville Municipal Code
Chapter 14.09

14.09.030 Definition of water waste.

Any of the following acts or omissions, whether willful or negligent, shall constitute the waste of water:

A. Causing or permitting water to discharge, flow or run to waste into any gutter, sanitary sewer, watercourse or storm drain, or to any adjacent property, from any tap, hose, faucet, pipe, sprinkler, or nozzle. In the case of irrigation, "discharge," "flow" or "run to waste" means that the earth intended to be irrigated has been saturated with water to the point that excess water flows over the earth to waste. In the case of washing, "discharge," "flow" or "run to waste" means that water in excess of that necessary to wash, wet or clean the dirty or dusty object, such as an automobile, sidewalk, or parking area, flows to waste.

B. Allowing water fixtures or heating or cooling devices to leak or discharge.

C. Maintaining ponds, waterways, decorative basins or swimming pools without water recirculation devices.

D. Backwashing so as to discharge to waste swimming pools, decorative basins or ponds in excess of the frequency necessary to ensure the healthful condition of the water or in excess of that required by standards for professionally administered maintenance or to address structural considerations, as determined by the director or his or her designee.

E. Operation of an irrigation system that applies water to an impervious surface or that is in disrepair.

F. Use of a water hose not equipped with a control nozzle capable of completely shutting off the flow of water except when positive pressure is applied.

G. Irrigation of landscaping during rainfall.

H. Overfilling of any pond, pool or fountain which results in water discharging to waste. (Ord. 4629 § 1, 2008; Ord. 3834 § 3 (part), 2002; Ord. 2413 § 2 (part), 1991.)

14.09.140 Violations.

It is unlawful for any user and/or person to violate any provision or fail to comply with any of the requirements of this chapter. Causing, permitting, aiding, abetting or

concealing a violation of any provision of this chapter shall constitute a violation of this chapter. A violation of the provisions of this chapter shall occur irrespective of the negligence or intent of the violator and a violation of or failure to comply with any of the requirements of this chapter may be charged as either an infraction or a misdemeanor in the discretion of the city attorney. (Ord. 4629 § 1, 2008; Ord. 3834 § 3 (part), 2002: Ord. 2413 § 2 (part), 1991.)

14.09.150 Enforcement authority.

A. Whenever the director, or designee (including, but not limited to, an enforcement officer), determines that a user and/or person has violated any provision of, or failed to meet a requirement of, this chapter, an administrative citation pursuant to Chapter 2.50 or a written compliance order pursuant to Chapter 2.52 may be issued to any user and/or person responsible for the violation.

B. Any compliance order issued may require without limitation any or all of the following:

1. The allocation of a particular amount of water to a given user and/or person responsible for the violation;
2. Requiring an unmetered user to immediately be metered and transitioned to the metered rate at the sole cost and expense of the user and/or person responsible for the violation;
3. The installation of a flow restriction device;
4. The performance of monitoring, analyses, and reporting;
5. That violations shall cease and desist; and/or
6. The discontinuation of water service.

The compliance order shall set forth a deadline within which the requirements of the compliance order must be completed. Said compliance order shall further advise that, should the violator fail to comply with the compliance order within the established deadline, a hearing on the compliance order shall be set. (Ord. 4629 § 1, 2008; Ord. 3034 § 3 (part), 2002: Ord. 2817 § 1 (part), 1994: Ord. 2413 § 2 (part), 1991.)

14.09.160 Hearing.

If full compliance is not achieved within the time specified in the compliance order, a hearing on the compliance order shall be set pursuant to Chapter 2.52. All penalties and remedies authorized by Chapter 2.52 shall apply to violations of this chapter. (Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.170 Appeal.

Any user and/or person receiving a compliance order under Section 14.09.150 may appeal the determination of the director, or his or her designee, to a hearing panel drawn from the membership of the board of appeals. The notice of appeal must be received by the city's environmental utilities department within 10 days from the date of the compliance order. Notice of hearing and hearing on the appeal will be conducted pursuant to the requirements of Chapter 2.52. (Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.180 Separate offense for each day.

Any user and/or person that violates any provision of this chapter shall be guilty of a separate offense for each and every day during any portion of which any such user and/or person commits, continues, permits, or causes a violation thereof, and shall be punished accordingly. (Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.190 Public nuisance.

In addition to the enforcement processes and penalties hereinbefore provided, any condition caused or permitted to exist in violation of any of the provisions of this chapter is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored by the city at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be initiated and/or taken by the city. (Ord. 4629 § 1, 2008; Ord. 2413 § 2 (part), 1991.)

14.09.200 Remedies not exclusive.

Remedies under this chapter are in addition to and do not supersede or limit any and all other remedies, civil or criminal. The remedies provided for herein shall be cumulative and not exclusive. (Ord. 4629 § 2, 2008.)

14.09.210 Judicial review.

Any decision of the hearing panel shall be final. Any user and/or person aggrieved by an order of the hearing panel may obtain review of the order in the superior court by filing with the court a petition for writ of mandate within 90 days pursuant to California Code of Civil Procedure Section 1094.6. (Ord. 4629 § 2, 2008.)



Environmental Utilities
Water Conservation
2005 Hilltop Circle
Roseville, California 95747-9704

APPENDIX K
Submittal Cover Letter to California State Library

August 18, 2011

California State Library
Government Publication Section
PO Box 942837
Sacramento, CA 94237-0001
Attn: Coordinator, Urban Water Management Plans

To Whom it May Concern:

Please find attached the City of Roseville's 2010 Urban Water Management Plan for file at the California State Library.

Sincerely,

A handwritten signature in black ink, appearing to read "LB", written over a horizontal line.

Lisa Brown

Water Conservation Administrator

APPENDIX L 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 Page 1-1
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 1.2.3 Page 1-4
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 1.2.1 Page 1-2
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 1.2.3 Page 1-4 Appendix C
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 1.2.1 Page 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 1.2.1 Page 1-2 Appendix A
57	Provide supporting documentation that the plan has been adopted as prepared or modified.	10642		Appendix B
58	Provide supporting documentation as to how the water supplier plans to implement its plan.	10643		Section 1 Page 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 1.2.4 Page 1-4 Appendix I
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 1.2.4 Page 1-4
SYSTEM DESCRIPTION				
8	Describe the water supplier service area.	10631(a)		Section 2 Page 2-1
9	Describe the climate and other demographic factors of the service area of the supplier	10631(a)		Section 2.1.1 Page 2-1 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 2.3 Page 2-7 Table 2.6
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 Page 2-7 Tables 2.6
12	Describe other demographic factors affecting the supplier's water management planning.	10631(a)		Section 2.4 Page 2-8
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 Tables 3.1-3.3

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
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	n/a
3	Report progress in meeting urban water use targets using the standardized form.	10608.40		Not required until 2015
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 3.2.1 Page 3-2 Tables 3.4-3.8
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 Page 3-9 Table 3.13
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 3.2.5 Page 3-8
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 Page 4-3 Table 4.2
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 4.1.2 Page 4-4

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 Page 4-4 Appendix E
16	Describe the groundwater basin.	10631(b)(2)		Section 4 Page 4-4
17	Indicate whether the groundwater basin is adjudicated? Include a copy of the court order or decree.	10631(b)(2)		Section 4 Page 4-5
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)		Section 4 Page 4-5
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 4.1.2 Page 4-4
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 Page 4-6 Table 4.3
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 Page 4-7 Table 4.4
24	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	10631(d)		Section 4 Page 4-8 Table 4.5
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 Page 4-7
31	Describe desalinated water project opportunities for long-term supply, including, but not limited to, ocean water, brackish water, and groundwater.	10631(i)		Section 4.3 Page 4-8

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
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 4.4 Page 4-8
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 4.4.2 Tables 4.6a and 4.6b
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 4.4.2 Page 4-13 Table 4.7
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 4.4.3 Page 4-16 Table 4.9
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 4.4.2 Page 4-15 Table 4.8
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 4.4.3 Pages 4-15 - 4-16 Tables 4.8 and 4.9
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 4.4.4 Page 4-16
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 4.4.4 Page 4-16
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 5 Page 5-2 Table 5.1

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
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 Page 5-10 Table 5.7
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 Page 5-4
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 5.3 Page 5-6 Table 5.3
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 Page 5-12 Table 5.9
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 5.3 Pages 5-4 – 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 5.3 Table 5.3 Appendix G
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 5.3 Pages 5-6 – 5-9 Tables 5.3 – 5.5
40	Indicated penalties or charges for excessive use, where applicable.	10632(f)		Section 5.3 Page 5-9 Table 5.5
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 5.3 Page 5-9 Table 5.5

No.	UWMP requirement ^a	Calif. Water Code reference	Additional clarification	UWMP location
42	Provide a draft water shortage contingency resolution or ordinance.	10632(h)		Section 5.3 Page 5-6 Table 5.3
43	Indicate a mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.	10632(i)		Section 5.4.1 Pages 5-10 – 5-12
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 Page 5-4 Table 5.2
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 Pages 5-15 – 5-17 Tables 5.11 – 5.12
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 6.2 Tables 6.4 – 6.28
27	Describe the methods the supplier uses to evaluate the effectiveness of DMMs implemented or described in the UWMP.	10631(f)(3)		Section 6.2 Tables 6.4 – 6.28
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 Page 6-2 Table 6.2
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.	n/a
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.	n/a

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.