

APPENDIX A

URBAN WATER MANAGEMENT PLANNING
ACT OF 1983 AS AMENDED TO 2005

Established: AB 797, Klehs, 1983
Amended: AB 2661, Klehs, 1990
AB 11X, Filante, 1991
AB 1869, Speier, 1991
AB 892, Frazee, 1993
SB 1017, McCorquodale, 1994
AB 2853, Cortese, 1994
AB 1845, Cortese, 1995
SB 1011, Polanco, 1995
AB 2552, Bates, 2000
SB 553, Kelley, 2000
SB 610, Costa, 2001
AB 901, Daucher, 2001
SB 672, Machado, 2001
SB 1348, Brulte, 2002
SB 1384, Costa, 2002
SB 1518, Torlakson, 2002
AB 105, Wiggins, 2004
SB 318, Alpert, 2004

**CALIFORNIA WATER CODE DIVISION 6 PART 2.6. URBAN WATER
MANAGEMENT PLANNING**

CHAPTER 1. GENERAL DECLARATION AND POLICY

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

10610.2. (a) The Legislature finds and declares all of the following:

- (1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.
- (2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.
- (3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.
- (4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.
- (5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.
- (6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality

and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.

- (7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.
- (8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.
- (9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.

- (b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

10610.4. The Legislature finds and declares that it is the policy of the state as follows:

- (a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.
- (b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.
- (c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

CHAPTER 2. DEFINITIONS

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

10611.5. "Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

10613. "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

10615. "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential,

commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

10617. "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

CHAPTER 3. URBAN WATER MANAGEMENT PLANS

Article 1. General Provisions

10620.

- (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).
- (b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.
- (c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.
- (d)
 - (1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.
 - (2) Each urban water supplier shall 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.
- (e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.
- (f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

10621.

- (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero.
- (b) Every urban water supplier required to prepare a plan pursuant to this part shall notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.
- (c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

Article 2. Contents of Plans

10630. It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.

10631. A plan shall be adopted in accordance with this chapter and shall do all of the following:

- (a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.
- (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:
 - (1) A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.
 - (2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For those basins for which a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department 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.

- (3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
- (4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
- (c) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:
 - (1) An average water year.
 - (2) A single dry water year.
 - (3) Multiple dry water years.

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.
- (d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.
- (e)
 - (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors including, but not necessarily limited to, all of the following uses:
 - (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, or conjunctive use, or any combination thereof.
 - (I) Agricultural.
 - (2) The water use projections shall be in the same five-year increments described in subdivision (a).
- (f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:
 - (1) A description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:
 - (A) Water survey programs for single-family residential and multifamily residential customers.
 - (B) Residential plumbing retrofit.

- (C) System water audits, leak detection, and repair.
 - (D) Metering with commodity rates for all new connections and retrofit of existing connections.
 - (E) Large landscape conservation programs and incentives.
 - (F) High-efficiency washing machine rebate programs.
 - (G) Public information programs.
 - (H) School education programs.
 - (I) Conservation programs for commercial, industrial, and institutional accounts.
 - (J) Wholesale agency programs.
 - (K) Conservation pricing.
 - (L) Water conservation coordinator.
 - (M) Water waste prohibition.
 - (N) Residential ultra-low-flush toilet replacement programs.
- (2) A schedule of implementation for all water demand management measures proposed or described in the plan.
 - (3) A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.
 - (4) 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 supplier's ability to further reduce demand.
- (g) An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:
 - (1) Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.
 - (2) Include a cost-benefit analysis, identifying total benefits and total costs.
 - (3) Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.
 - (4) Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.
 - (h) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs, other than the demand management programs identified pursuant to paragraph (1) of subdivision (f), that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each

- project. The description shall include an estimate with regard to the implementation timeline for each project or program.
- (i) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.
 - (j) Urban water suppliers that are members of the California Urban Water Conservation Council and submit annual reports to that council in accordance with the “Memorandum of Understanding Regarding Urban Water Conservation in California,” dated September 1991, may submit the annual reports identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of subdivisions (f) and (g).
 - (k) Urban water suppliers that rely upon a wholesale agency for a source of water, shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier’s plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c), including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.

10631.5. The department shall take into consideration whether the urban water supplier is implementing or scheduled for implementation, the water demand management activities that the urban water supplier identified in its urban water management plan, pursuant to Section 10631, in evaluating applications for grants and loans made available pursuant to Section 79163. The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities.

10632. The plan shall provide an urban water shortage contingency analysis which includes each of the following elements which are within the authority of the urban water supplier:

- (a) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.
- (b) 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.
- (c) 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.

- (d) 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.
- (e) 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.
- (f) Penalties or charges for excessive use, where applicable.
- (g) 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.
- (h) A draft water shortage contingency resolution or ordinance.
- (i) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

- (a) A description of 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.
- (b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.
- (c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.
- (d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.
- (e) 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 pursuant to this subdivision.
- (f) A description of 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.
- (g) 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.

10634. The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

Article 2.5 Water Service Reliability

10635.

- (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare 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. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.
- (b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.
- (c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.
- (d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

Article 3. Adoption and Implementation of Plans

10640. Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630). The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

10641. An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

10642. Each urban water supplier shall encourage the 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. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the

hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area. After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

10644.

- (a) An urban water supplier shall file with the department and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be filed with the department and any city or county within which the supplier provides water supplies within 30 days after adoption.
- (b) The department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part. The report prepared by the department shall identify the outstanding elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has filed its plan with the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

10645. Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

CHAPTER 4. MISCELLANEOUS PROVISIONS

10650. Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

- (a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.
- (b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.

10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.

10652. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.

10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.

10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.

10655. If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.

10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26 (commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

10657.

- (a) The department shall take into consideration whether the urban water supplier has submitted an updated urban water management plan that is consistent with Section 10631, as amended by the act that adds this section, in determining whether the urban water supplier is eligible for funds made available pursuant to any program administered by the department.
- (b) This section shall remain in effect only until January 1, 2006, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2006, deletes or extends that date.

APPENDIX B

DWR REVIEW FOR COMPLETENESS FORM

2005 Urban Water Management Plan "Review for Completeness" Form
For DWR Review Staff Use

Coordination with Appropriate Agencies

(Water Code § 10620 (d)(1)(2))

Yes

Participated in area, regional, watershed or basin wide plan

Sec 1, p. 1 Reference & Page Number

Name of plan 2005 UWMP Lead Agency Fair Oaks Water District

Sec 1, p. 1 Reference & Page Number

Describe the coordination of the plan preparation and anticipated benefits.

Sec 1, p. 2-4 Reference & Page Number

Table 1 Coordination with Appropriate Agencies							
Check at least one box on each row	Sent Notice of Preparation of Plan	Commented on the draft	Attended public meetings	Was contacted for assistance	Was sent a copy of the draft plan	Was sent a notice of intention to adopt	Not Involved / No Information
City of Citrus Heights	X						
City of Folsom	X						
City of Rancho Cordova	X						
Regional Water Authority	X						
Sacramento County	X						
Sacramento Groundwater Authority	X						
Regional Water Quality Control Board	X						
Water Forum	X						
Arden-Cordova Water Service	X						
Carmichael Water District	X						
Citrus Heights Water District	X			X			
Orange Vale Water Company	X						
Sacramento Suburban Water District	X						
San Juan Water District	X			X			
Fair Oaks Chamber of Commerce	X						
Fair Oaks Community Planning Advisory Council	X						
Sacramento Regional County Sanitation District				X			

Describe resource maximization / import minimization plan**(Water Code §10620 (f))**

Describe how water management tools / options maximize resources & minimize need to import water

Sec. 2 p. 10 Reference & Page Number

Plan Updated in Years Ending in Five and Zero**(Water Code § 10621(a))**

Date updated and adopted plan received 12/12/2005 (enter date)

Sec. 1 p. 4 Reference & Page Number

City and County Notification and Participation**(Water Code § 10621(b))**

Notify any city or county within service area of UWMP of plan review & revision

Sec. 1 p. 2-4 Reference & Page Number

Consult and obtain comments from cities and counties within service area

Sec. 1 p. 2-4 Reference & Page Number

Service Area Information**Water Code § 10631 (a))**

Include current and projected population

Sec. 1 p. 8 Reference & Page Number

Population projections were based on data from state, regional or local agency

Sec. 1 p. 8 Reference & Page Number

Table 2						
Population - Current and Projected						
	2005	2010	2015	2020	2025	2030 - opt
Service Area Population	39,550	40,180	40,580	40,785	40,990	41,190

Describe climate characteristics that affect water management

Sec. 1 p. 7 Reference & Page Number

Describe other demographic factors affecting water management

Sec. 1 p. 8 Reference & Page Number

Table 3						
Climate						
	January	February	March	April	May	June
Standard Average ETo	1.59	2.2	3.66	5.08	6.83	7.8
Average Rainfall	4.46	4.34	4.3	1.84	0.52	0.31
Average Temperature	46.9	51.5	55	59.4	66	72.7

Table 3 (continued)							
Climate							
	July	August	September	October	November	December	Annual
Average ETo	8.67	7.81	5.67	4.03	2.13	1.59	57.1
Average Rainfall	0.11	0.1	0.45	1.32	3.47	3.39	24.6
Average Temperature	77.7	76.8	73.4	65.9	54.4	47.1	62.2

Table 6 Amount of Groundwater pumped - AFY					
Basin Name (s)	2000	2001	2002	2003	2004
North American Subbasin	439.44	137.82	1,790.81	314.1	285.65
% of Total Water Supply	3.00%	0.90%	13.50%	2.50%	2.10%

Table 7 Amount of Groundwater projected to be pumped - AFY					
Basin Name(s)	2010	2015	2020	2025	2030 - opt
North American Subbasin	0	0	0	0	0
% of Total Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%

Reliability of Supply

(Water Code §10631 (c) (1-3))

X

Describes the reliability of the water supply and vulnerability to seasonal or climatic shortage

Sec. 4
p. 32-33

Reference & Page Number

Table 8 Supply Reliability - AF Year					
Average / Normal Water Year (2006)	Single Dry Water Year	Multiple Dry Water Years			
		Year 1	Year 2	Year 3	Year 4
100	100	100	100	100	100
% of Normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 9 Basis of Water Year Data			
Water Year Type	Year	Source name	Source name
Average Water Year			
Single-Dry Water Year	1976-1977	SJWD	
Multiple-Dry Water Years	1987-1992	SJWD	

Sec 4 p. 32

Reference & Page Number

Sec 4 p. 33

Reference & Page Number

Sec 4 p. 33

Reference & Page Number

Water Sources Not Available on a Consistent Basis

(Water Code §10631 (c))

- Describe the reliability of the water supply due to seasonal or climatic shortages Sec. 4
p. 32-34 Reference & Page Number
- Describe the vulnerability of the water supply to seasonal or climatic shortages Sec. 4
p. 32-34 Reference & Page Number
- No unreliable sources Reference & Page Number

Table 10 Factors resulting in inconsistency of supply				
Name of supply	Legal	Environ-mental	Water Quality	Climatic
Surface Water Supplies	X	X		X

- Describe plans to supplement or replace inconsistent sources with alternative sources or DMMs Sec. 6
p. 55-57 Reference & Page Number
- No inconsistent sources Sec. 6
p. 55-57 Reference & Page Number

Transfer or Exchange Opportunities

(Water Code §10631 (d))

- Describe short term and long term exchange or transfer opportunities Sec. 4 p. 49 Reference & Page Number
- No transfer opportunities Sec. 4 p. 49 Reference & Page Number

Table11 Transfer and Exchange Opportunities - AF Year					
Transfer Agency	Transfer or Exchange	Short term	Proposed Quantities	Long term	Proposed Quantities
Total			0		0

Identify and quantify additional water uses

Sec. 5
p. 53-54

Reference & Page Number

Table 14 Additional Water Uses and Losses - AF Year							
Water Use	2000	2005	2010	2015	2020	2025	2030 - opt
Unaccounted for System Losses	1,446	1,250	1,411	1,418	1,422	1,425	1,429
Total	1,446	1,250	1,411	1,418	1,422	1,425	1,429

Any recycled water was included in table 12 should not be included in table 14.

Table 15 Total Water Use - AF Year							
Water Use	2000	2005	2010	2015	2020	2025	2030 - opt
Total of Tables 12, 13, 14	14,457	12,500	14,110	14,180	14,215	14,250	14,290

2005 Urban Water Management Plan "Review of DMMs for Completeness" Form

(Water Code §10631 (f))

(Water Code §10631 (f) & (g), the 2005 Urban Water Management Plan "Review of DMMs for Completeness" Form is found on Sheet 2

Planned Water Supply Projects and Programs, including non-implemented DMMs

(Water Code §10631 (g))

- No non-implemented / not scheduled DMMs Sec. 6 p. 55 Reference & Page Number
- Cost-Benefit includes economic and non-economic factors (environmental, social, health, customer impact, and technological factors) Reference & Page Number
- Cost-Benefit analysis includes total benefits and total costs Reference & Page Number
- Identifies funding available for Projects with higher per-unit-cost than DMMs Reference & Page Number
- Identifies Suppliers' legal authority to implement DMMs, efforts to implement the measures and efforts to identify cost share partners Sec. 6 p. 55 Reference & Page Number

Table 16 Evaluation of unit cost of water resulting from non-implemented / non-scheduled DMMs and planned water supply project and programs	
Non-implemented & Not Scheduled DMM / Planned Water Supply Projects (Name)	Per-AF Cost (\$)

Planned Water Supply Projects and Programs

(Water Code §10631 (h))

<input type="checkbox"/>	No future water supply projects or programs	
<input checked="" type="checkbox"/>	Detailed description of expected future supply projects & programs	Sec. 4 p. 45-46 <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	Timeline for each proposed project	Sec. 4 p. 45-46 <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	Quantification of each projects normal yield (AFY)	Sec. 4 p. 46 <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	Quantification of each projects single dry-year yield (AFY)	Sec. 4 p. 46 <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	Quantification of each projects multiple dry-year yield (AFY)	Sec. 4 p. 46 <hr/> Reference & Page Number

Table 17 Future Water Supply Projects							
Project Name	Projected Start Date	Projected Completion Date	Normal-year AF to agency	Single-dry year yield AF	Multiple-Dry-Year 1 AF	Multiple-Dry-Year 2 AF	Multiple-Dry-Year 3 AF
Proposed Town Well, Well #10	2006	2006	1,032	1,032	1,032	1,032	1,032

Opportunities for development of desalinated water

(Water Code §10631 (i))

<input checked="" type="checkbox"/>	Describes opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply	Sec. 4 p. 49-50 <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	No opportunities for development of desalinated water	Sec. 4 p. 49-50 <hr/> Reference & Page Number

Table 18 Opportunities for desalinated water	
Sources of Water	Check if yes

District is a CUWCC signatory

(Water Code § 10631 (j))

Urban suppliers that are California Urban Water Conservation Council members may submit the annual reports identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of subdivisions (f) and (g). The supplier's CUWCC Best Management Practices Report should be attached to the UWMP.

<input checked="" type="checkbox"/>	Agency is a CUWCC member	Sec. 6 p. 55 <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	2003-04 annual updates are attached to plan	Appendix H <hr/> Reference & Page Number
<input checked="" type="checkbox"/>	Both annual updates are considered completed by CUWCC website	Appendix H <hr/> Reference & Page Number

If Supplier receives or projects receiving water from a wholesale supplier

(Water Code §10631 (k))

- Agency receives, or projects receiving, wholesale water Sec 4 p. 36 Reference & Page Number
- Agency provided written demand projections to wholesaler, 20 years Sec 4 p. 38 Reference & Page Number

Table 19					
Agency demand projections provided to wholesale suppliers - AFY					
Wholesaler	2010	2015	2020	2025	2030 - opt
San Juan Water District	14,110	14,180	14,215	14,250	14,290

- Wholesaler provided written water availability projections, by source, to agency, 20 years Sec 4 p. 33-35 Reference & Page Number
- (if agency served by more than one wholesaler, duplicate this table and provide the source availability for each wholesaler)

Table 20					
Wholesaler identified & quantified the existing and planned sources of water- AFY					
Wholesaler sources	2010	2015	2020	2025	2030 - opt
American River	82,200	82,200	82,200	82,200	

- Reliability of wholesale supply provided in writing by wholesale agency Sec 4 p. 33-35 Reference & Page Number
- (if agency served by more than one wholesaler, duplicate this table and provide the source availability for each wholesaler)

Table 21					
Wholesale Supply Reliability - % of normal AFY					
Wholesaler sources	Multiple Dry Water Years				
	Single Dry	Year 1	Year 2	Year 3	Year 4
American River	65.9%	65.9%	65.9%	65.9%	65.9%

Table 22				
Factors resulting in inconsistency of wholesaler's supply				
Name of supply	Legal	Environment	Water Quality	Climatic
American River	x	x		x

Water Shortage Contingency Plan Section

Stages of Action

(Water Code § 10632)

(Water Code § 10632 (a))

<input checked="" type="checkbox"/>	Provide stages of action	Sect. 7 p. 59-60	Reference & Page Number
<input checked="" type="checkbox"/>	Provide the water supply conditions for each stage	Sect. 7 p. 59-60	Reference & Page Number
<input checked="" type="checkbox"/>	Includes plan for 50 percent supply shortage	Sect. 7 p. 59-60	Reference & Page Number

Table 23 Water Supply Shortage Stages and Conditions RATIONING STAGES		
Stage No.	Water Supply Conditions	% Shortage
Stage 1 - Normal Water Supply	District is able to meet all the normal water demands	Normal Demand
Stage 2 - Water Alert	Probability that the District will not be able to meet all water demands	5-10%
Stage 3 - Water Warning	District is not able to meet all water demands	11-25%
Stage 4 - Water Crisis	District is not able to meet all water demands under Stage 3 requirements	26-50%
Stage 5 - Water Emergency	District is experiencing a major failure of water supply	>50%

Three-Year Minimum Water Supply

(Water Code §10632 (b))

<input checked="" type="checkbox"/>	Identifies driest 3-year period	Sec. 7 p. 61	Reference & Page Number
<input checked="" type="checkbox"/>	Minimum water supply available by source for the next three years	Sec. 7 p. 61	Reference & Page Number

Table 24 Three-Year Estimated Minimum Water Supply - AF Year				
source**	2006	2007	2008	Normal
Surface Water	15,000	15,000	15,000	18,500
Ground Water	8,900	8,900	8,900	8,900
Total	23,900	23,900	23,900	27,400

*Note: If reporting after 2005, please change the column headers (Year 1, 2, & 3) to the appropriate years

Preparation for catastrophic water supply interruption

(Water Code §10632 (c))

X

Provided catastrophic supply interruption plan

Sect. 7
p. 61-62

Reference & Page Number

Table 25 Preparation Actions for a Catastrophe	
Possible Catastrophe	Check if Discussed
Drought	X
Groundwater Contamination	X
Fire	X
Surface Water Contamination	X
Power Outage	X
Flood	X
Earthquake	X
Distribution System Failure	X

Prohibitions

(Water Code § 10632 (d))

X

List the mandatory prohibitions against specific water use practices during water shortages

Sect. 7
p. 63-64

Reference & Page Number

Sect. 7
p. 63-64

Table 26 Mandatory Prohibitions	
Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
Excessive runoff	1
Free-flowing hoses for all uses	1
Failure to repair leaks	1
Washing of streets, driveways, sidewalks, building	1
Surface Irrigation (during restricted hours) [during restricted days]	(1); [2, 3, 4]; 5
Restaurants serve water upon request	2
Filling of pools, ponds, artificial lakes, fountains	4
Washing of vehicles (except on lawns)	(4); 5
Flushing of sewers or fire hydrants	5
Construction water	5
New connections	5

Consumption Reduction Methods

(Water Code § 10632 (e))

X

List the consumption reduction methods the water supplier will use to reduce water use in the most restrictive stages with up to a 50% reduction.

Sec. 7

p. 59-65

Reference & Page Number

Appendix I

Table 27 Consumption Reduction Methods		
Consumption Reduction Methods	Stage When Method Takes Effect	Projected Reduction (%)
Normal - Reduce water consumption of activities shown in Table 26	Stage 1	0
Water Alert - Reduce water consumption of activities shown in Table 26	Stage 2	5-10%
Water Warning -Reduce water consumption of activities shown in Table 26	Stage 3	11-25%
Water Crisis - Reduce water consumption of activities shown in Table 26	Stage 4	26-50%
Water Emergency - Reduce water consumption of activities shown in Table 26	Stage 5	>50%

Penalties

(Water Code § 10632 (f))

X

List excessive use penalties or charges for excessive use

Sec. 7 p. 64

Reference & Page Number

Appendix I

Table 28 Penalties and Charges	
Penalties or Charges	Stage When Penalty Takes Effect
Written Warning	1st Observation
Written Warning	2nd Observation
Written Warning	3rd Observation
Termination of service and Reconnect Charge \$100	4th Observation
Termination of service and Reconnect Charge \$200	5th Observation
Termination of service and Reconnect Charge \$300	6th Observation
Termination of service and Reconnect Charge \$400	7th Observation

Revenue and Expenditure Impacts

(Water Code § 10632 (g))

- Describe how actions and conditions impact revenues Sec. 7 p. 64 Reference & Page Number
- Describe how actions and conditions impact expenditures Sec. 7 p. 64 Reference & Page Number
- Describe measures to overcome the revenue and expenditure impacts Sec. 7 p. 64 Reference & Page Number

Table 29 Proposed measures to overcome revenue impacts	
Names of measures	Check if Discussed

Table 30 Proposed measures to overcome expenditure impacts	
Names of measures	Check if Discussed

Water Shortage Contingency Ordinance/Resolution

(Water Code § 10632 (h))

- Attach a copy of the draft water shortage contingency resolution or ordinance. Appendix I Reference & Page Number

Reduction Measuring Mechanism

(Water Code § 10632 (i))

- Provided mechanisms for determining actual reductions Sec 7 p. 65 Reference & Page Number

Table 31 Water Use Monitoring Mechanisms	
Monitoring Procedure	Stage
District-wide usage figures are recorded weekly. Usage totals are formally reported to the General Manager and Board of Directors on a monthly basis.	1.2
District-wide usage figures are recorded weekly. Usage totals are reported to the General Manager weekly, who will report any significant discrepancy in reduction goals to the Board of Directors so that appropriate corrective action will take place. Usage reports will be formally presented to the General Manager and Board of Directors on a monthly basis.	3,4,5
Production from all sources and pressures throughout the system will be continually monitored on a round the clock basis and reported to the supervisor in charge. Causes of concern will be reported to the General Manger and corrective action implemented. Reports will be provided to the Board of Directors.	Emergency Shortage

Recycling Plan Agency Coordination

Water Code § 10633

Describe the coordination of the recycling plan preparation information to the extent available

Sec. 8 p. 70 Reference & Page Number

Table 32 Participating agencies	
	participated
Water agencies	
Wastewater agencies	
Groundwater agencies	
Planning Agencies	

Wastewater System Description

(Water Code § 10633 (a))

Describe the wastewater collection and treatment systems in the supplier's service area

Sec. 8 p. 68-69 Reference & Page Number

Quantify the volume of wastewater collected and treated

Sec. 8 p. 68-69 Reference & Page Number

Table 33 Wastewater Collection and Treatment from District - AF Year							
Type of Wastewater	2000	2005	2010	2015	2020	2025	2030 - opt
Wastewater collected & treated in service area	4,435	5,020	5,800	6,580	7,360	7,360	7,360
Volume that meets recycled water standard							

Wastewater Disposal and Recycled Water Uses

(Water Code § 10633 (a - d))

<input checked="" type="checkbox"/>	Describes methods of wastewater disposal	<u>Sec. 8 p. 68</u>	Reference & Page Number
<input checked="" type="checkbox"/>	Describe the current type, place and use of recycled water	<u>Sec. 8 p. 68</u>	Reference & Page Number
<input type="checkbox"/>	<input checked="" type="checkbox"/> None	<u>Sec. 8 p. 67</u>	Reference & Page Number
<input checked="" type="checkbox"/>	Describe and quantify potential uses of recycled water	<u>Sec. 8 p. 71</u>	Reference & Page Number

Table 34 Disposal of wastewater from SRCSD (non-recycled) AF Year							
Method of disposal	Treatment Level	2005	2010	2015	2020	2025	2030 - opt
Discharge to River	Primary and Secondary	194,906	219,549	235,231	244,192		
Total		194,906	219,549	235,231	244,192	N/A	N/A

Table 35 Recycled Water Uses - Actual and Potential (AFY)							
User type	Treatment Level	2005	2010	2015	2020	2025	2030 - opt
Agriculture							
Landscape							
Wildlife Habitat							
Wetlands							
Industrial							
Groundwater Recharge							
Other (user type)							
Other (user type)							
Total		0	0	0	0	0	0

<input checked="" type="checkbox"/>	Determination of technical and economic feasibility of serving the potential uses	<u>Sec. 8 p. 71</u>	Reference & Page Number
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Water quality impacts on availability of supply

(Water Code §10634)

- Discusses water quality impacts (by source) upon water management strategies and supply reliability

Sec. 3 Reference & Page Number
p. 19, 24

- No water quality impacts projected

Table 39 Current & projected water supply changes due to water quality - percentage						
water source	2005	2010	2015	2020	2025	2030 - opt

Supply and Demand Comparison to 20 Years

(Water Code § 10635 (a))

- Compare the projected normal water supply to projected normal water use over the next 20 years, in 5-year increments.

Sec. 4 p. 38 Reference & Page Number

Table 40 Projected Normal Water Supply - AF Year					
(from table 4)	2010	2015	2020	2025	2030 - opt
Supply	23,900	23,900	23,900	23,900	23,900
% of year 2005	191.2%	191.2%	191.2%	191.2%	191.2%

Table 41 Projected Normal Water Demand - AF Year					
(from table 15)	2010	2015	2020	2025	2030 - opt
Demand	14,110	14,180	14,215	14,250	14,290
% of year 2004	101.4%	101.9%	102.2%	102.4%	102.7%

Table 42 Projected Supply and Demand Comparison - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply totals	23,900	23,900	23,900	23,900	23,900
Demand totals	14,110	14,180	14,215	14,250	14,290
Difference	9,790	9,720	9,685	9,650	9,610
Difference as % of Supply	41.0%	40.7%	40.5%	40.4%	40.2%
Difference as % of Demand	69.4%	68.5%	68.1%	67.7%	67.2%

Supply and Demand Comparison: Single-dry Year Scenario

(Water Code § 10635 (a))

Compare the projected single-dry year water supply to projected single-dry year water use over the Sec. 4 p. 39 Reference & Page Number next 20 years, in 5-year increments.

Table 43					
Projected single dry year Water Supply - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply	23,900	23,900	23,900	23,900	23,900
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 44					
Projected single dry year Water Demand - AF Year					
	2010	2015	2020	2025	2030 - opt
Demand	14,110	14,180	14,215	14,250	14,290
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 45					
Projected single dry year Supply and Demand Comparison - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply totals	23,900	23,900	23,900	23,900	23,900
Demand totals	14,110	14,180	14,215	14,250	14,290
Difference	9,790	9,720	9,685	9,650	9,610
Difference as % of Supply	41.0%	40.7%	40.5%	40.4%	40.2%
Difference as % of Demand	69.4%	68.5%	68.1%	67.7%	67.2%

Supply and Demand Comparison: Multiple-dry Year Scenario

(Water Code § 10635 (a))

Project a multiple-dry year period (as identified in Table 9) occurring between 2006-2010 and Sec. 4 p. 40 Reference & Page Number compare projected supply and demand during those years

Table 46					
Projected supply during multiple dry year period ending in 2010 - AF Year					
	2006	2007	2008	2009	2010
Supply	23,900	23,900	23,900	23,900	23,900
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 47					
Projected demand multiple dry year period ending in 2010 - AFY					
	2006	2007	2008	2009	2010
Demand	12,820	13,145	13,465	13,790	14,110
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 48					
Projected Supply and Demand Comparison during multiple dry year period ending in 2010- AF Year					
	2006	2007	2008	2009	2010
Supply totals	23,900	23,900	23,900	23,900	23,900
Demand totals	12,820	13,145	13,465	13,790	14,110
Difference	11,080	10,755	10,435	10,110	9,790
Difference as % of Supply	46.4%	45.0%	43.7%	42.3%	41.0%
Difference as % of Demand	86.4%	81.8%	77.5%	73.3%	69.4%

Project a multiple-dry year period (as identified in Table 9) occurring between 2011-2015 and Sec. 4 p. 41 Reference & Page Number compare projected supply and demand during those years

Table 49					
Projected supply during multiple dry year period ending in 2015 - AF Year					
	2011	2012	2013	2014	2015
Supply	23,900	23,900	23,900	23,900	23,900
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 50					
Projected demand multiple dry year period ending in 2015 - AFY					
	2011	2012	2013	2014	2015
Demand	14,125	14,140	14,150	14,165	14,180
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 51					
Projected Supply and Demand Comparison during multiple dry year period ending in 2015- AF Year					
	2011	2012	2013	2014	2015
Supply totals	23,900	23,900	23,900	23,900	23,900
Demand totals	14,125	14,140	14,150	14,165	14,180
Difference	9,775	9,760	9,750	9,735	9,720
Difference as % of Supply	40.9%	40.8%	40.8%	40.7%	40.7%
Difference as % of Demand	69.2%	69.0%	68.9%	68.7%	68.5%

X

Project a multiple-dry year period (as identified in Table 9) occurring between 2016-2020 and compare projected supply and demand during those years

Sec. 4 p. 42

Reference & Page Number

Table 52					
Projected supply during multiple dry year period ending in 2020 - AF Year					
	2016	2017	2018	2019	2020
Supply	23,900	23,900	23,900	23,900	23,900
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 53					
Projected demand multiple dry year period ending in 2020 - AFY					
	2016	2017	2018	2019	2020
Demand	14,190	14,195	14,200	14,210	14,215
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 54					
Projected Supply and Demand Comparison during multiple dry year period ending in 2020- AF Year					
	2016	2017	2018	2019	2020
Supply totals	23,900	23,900	23,900	23,900	23,900
Demand totals	14,190	14,195	14,200	14,210	14,215
Difference	9,710	9,705	9,700	9,690	9,685
Difference as % of Supply	40.6%	40.6%	40.6%	40.5%	40.5%
Difference as % of Demand	68.4%	68.4%	68.3%	68.2%	68.1%

X

Project a multiple-dry year period (as identified in Table 9) occurring between 2021-2025 and compare projected supply and demand during those years

Table 55					
Projected supply during multiple dry year period ending in 2025 - AF Year					
	2021	2022	2023	2024	2025
Supply	23,900	23,900	23,900	23,900	23,900
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 56					
Projected demand multiple dry year period ending in 2025 - AFY					
	2021	2022	2023	2024	2025
Demand	14,220	14,230	14,235	14,245	14,250
% of projected normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 57					
Projected Supply and Demand Comparison during multiple dry year period ending in 2025- AF Year					
	2021	2022	2023	2024	2025
Supply totals	23,900	23,900	23,900	23,900	23,900
Demand totals	14,220	14,230	14,235	14,245	14,250
Difference	9,680	9,670	9,665	9,655	9,650
Difference as % of Supply	40.5%	40.5%	40.4%	40.4%	40.4%
Difference as % of Demand	68.1%	68.0%	67.9%	67.8%	67.7%

Provision of Water Service Reliability section to cities/counties within service area**(Water Code § 10635(b))**

- | | | | |
|-------------------------------------|--|--------------------|-------------------------|
| <input checked="" type="checkbox"/> | Provided Water Service Reliability section of UWMP to cities and counties within which it provides water supplies within 60 days of UWMP submission to DWR | <u>Sec. 1 p. 4</u> | Reference & Page Number |
|-------------------------------------|--|--------------------|-------------------------|

Does the Plan Include Public Participation and Plan Adoption**(Water Code § 10642)**

- | | | | | |
|-------------------------------------|---|--------------------|--------------------|-------------------------|
| <input checked="" type="checkbox"/> | Attach a copy of adoption resolution | <u>Sec. 1 p. 4</u> | <u>Appendix D</u> | Reference & Page Number |
| <input checked="" type="checkbox"/> | Encourage involvement of social, cultural & economic community groups | <u>Sec. 1 p. 4</u> | <u>Sec. 1 p. 4</u> | Reference & Page Number |
| <input checked="" type="checkbox"/> | Plan available for public inspection | <u>Sec. 1 p. 4</u> | <u>Sec. 1 p. 4</u> | Reference & Page Number |
| <input checked="" type="checkbox"/> | Provide proof of public hearing | <u>Sec. 1 p. 4</u> | <u>Appendix D</u> | Reference & Page Number |
| <input checked="" type="checkbox"/> | Provided meeting notice to local governments | <u>Sec. 1 p. 4</u> | <u>Appendix D</u> | Reference & Page Number |

Review of implementation of 2000 UWMP**(Water Code § 10643)**

- | | | | |
|-------------------------------------|---|---------------------|-------------------------|
| <input checked="" type="checkbox"/> | Reviewed implementation plan and schedule of 2000 UWMP | <u>Sec. 6 p. 55</u> | Reference & Page Number |
| <input checked="" type="checkbox"/> | Implemented in accordance with the schedule set forth in plan | <u>Sec. 6 p. 55</u> | Reference & Page Number |
| <input checked="" type="checkbox"/> | 2000 UWMP not required | <u>Sec. 6 p. 55</u> | Reference & Page Number |

Provision of 2005 UWMP to local governments**(Water Code § 10644 (a))**

- | | | | |
|-------------------------------------|--|--------------------|-------------------------|
| <input checked="" type="checkbox"/> | Provide 2005 UWMP to DWR, and cities and counties within 30 days of adoption | <u>Sec. 1 p. 4</u> | Reference & Page Number |
|-------------------------------------|--|--------------------|-------------------------|

Does the plan or correspondence accompanying it show where it is available for public review**(Water Code § 10645)**

- | | | | |
|-------------------------------------|--|-------------------|-------------------------|
| <input checked="" type="checkbox"/> | Does UWMP or correspondence accompanying it show where it is available for public review | <u>Back cover</u> | Reference & Page Number |
|-------------------------------------|--|-------------------|-------------------------|

APPENDIX C
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Fair Oaks Water District
2005 Urban Water Management Plan Update

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APPENDIX D

**NOTICE OF PUBLIC HEARING AND
RESOLUTION FOR PLAN ADOPTION**

BULLETIN BOARD

Public meeting: The Fair Oaks Water District's draft 2005 Urban Water Management Plan is complete and ready for public review and comment as required by the Urban Water Management Planning Act of the California Water Code. The plan describes and evaluates sources of water supply, efficient uses of water, demand management measures and other relevant information and programs planned by the district. A public workshop will be conducted at 6:30 p.m. Thursday at the district office, 10317 Fair Oaks Blvd., Fair Oaks. A general overview of the draft plan will be provided, and copies of the draft plan will be available to the public.

Bed and breakfast tour: The 10th annual self-guided Christmas tour of the inns in El Dorado County is set for noon to

5 p.m. Saturday and Dec. 4. Tour cost of \$15, valid for both days, includes a tour of a several decorated inns, traditional Christmas music, hot cocoa or cider, home-baked treats and other food and a Victorian Christmas ornament. Part of the proceeds will benefit Snowline Hospice. To purchase tickets, call (877) 262-4667.

- Lil Douglas

Ear

BULLETIN BOARD

Public meeting: The Fair Oaks Water District board will review and consider the final draft of the 2005 Urban Water Management Plan at 6:30 p.m. Dec. 12 at 10317 Fair Oaks Blvd., Fair Oaks. The public is invited to review and comment on the draft before it is considered for approval. A copy of the draft is available at the district office. For more information, call (916) 967-5723.

Caroling party set: The Citrus Heights Area

One Neighborhood Association will hold a community caroling party at 6:30 p.m. Dec. 20 at the Sierra Meadows Mobile Estates, 7600 Daly Ave., Citrus Heights. Families are encouraged to attend. Cookies and hot chocolate will be provided. Reservations are suggested to ensure ample refreshments. Call (916) 721-1462 or (916) 726-7405.

- Lil Douglas

I certify that the foregoing Resolution was adopted by the Board of Directors of the Fair Oaks Water District at a Regular meeting held on the 12th day of December 2005, by the following vote:

AYES: Brown, Ericson, Gilliam, Marx and Sarkovich

NOES:

ABSTAIN:

ABSENT:



A handwritten signature in cursive script, reading "Misha T. Sarkovich", written over a horizontal line.

Misha T. Sarkovich, President
Board of Directors

ATTEST:

A handwritten signature in cursive script, reading "Tom R. Gray", written over a horizontal line.

Tom R. Gray, General Manager / Secretary

RESOLUTION NO. 0506

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE FAIR OAKS WATER DISTRICT

A RESOLUTION ADOPTING THE 2005 URBAN WATER MANAGEMENT PLAN PURSUANT TO CALIFORNIA WATER CODE 10610 TO 10657

WHEREAS, the waters of the state are a limited and renewable resource subject to ever-increasing demands, and

WHEREAS, a long-term, reliable supply of water is essential and urban water management plans are required to actively pursue the efficient use of available supplies; and

WHEREAS, the Fair Oaks Water District has completed an update to its 2000 Urban Water Management Plan (2005 Plan) pursuant to the requirements of the Urban Water Management Planning Act of 1983; and

WHEREAS, the 2005 Plan is a general information document and complements other regional water planning documents, including the San Juan Water District 2005 Urban Water Management Plan; and

WHEREAS, the conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level; and

WHEREAS, the purpose of the 2005 Plan is to provide a local perspective and analysis of the current and alternative water demand, supplies and conservation activities of the District; and

WHEREAS, the 2005 Plan also addressed the effects and measures of coping with short-term and chronic water shortages within the District boundaries; and

WHEREAS, the 2005 Plan will be periodically updated, no less than every five years in the years ending in zero and five, to reflect changes in water supply trends and conservation policies within the boundaries of the District.

NOW, THEREFORE, the Board of Directors of the Fair Oaks Water District hereby finds, determines, declares and resolves as follows:

1. That the board acknowledges the essential nature of a long-term, reliable water supply within its boundaries as described herein, and adopts the 2005 Plan and will implement same;
2. That the District's General Manager is authorized and directed to carryout the intentions of the Resolution.

APPENDIX E

GROUNDWATER MANAGEMENT PLAN
AND
2005 URBAN WATER MANAGEMENT PLAN

APPENDIX F

STATE WATER RESOURCES CONTROL
BOARD WATER RIGHTS
A005830 AND S000656

WRIMS Query Report

Application : A005830 [\[JShape Map - 250K\]](#) [\[JShape Map - 100K\]](#)
Permit : 004009 **Issued on** NOV 26,1932
License : 006324 **Issued on** JUN 05,1961

Primary Contact Owner : C/O GENERAL MANAGER, SAN JUAN WATER DISTRICT
Owner(s) : C/O GENERAL MANAGER, SAN JUAN WATER DISTRICT
Mail Receiver (Owner) : C/O GENERAL MANAGER, SAN JUAN WATER DISTRICT

Source & POD Information :

Water to be diverted from NORTH FORK AMERICAN RIVER - (Stream Code: 00
Tributary to AMERICAN RIVER
Maximum Direct Diversion from this source : 15 cubic-feet/sec
Maximum Storage from this source per year : 0 ac-ft/annum
POD IN SW Quarter of NE Quarter of Projected Section 24, T10N, R07E, M
Direct Diversion from this POD : 15 cubic-feet/sec
Total Annual Direct Diversion from this POD : 0 ac-ft/annum
Diversion Storage from this POD : 0 ac-ft/annum

Amount :

Maximum Application Direct Diversion : 15 cubic-feet/sec

Purpose of Use : Domestic
Diversion Season : June 1 to November 1
Purpose of Use : Irrigation
Diversion Season : June 1 to November 1

License Image(s) :

[Page 1](#)
[Page 2](#)



STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD
License for Diversion and Use of Water

APPLICATION 5830 PERMIT 4009 LICENSE 6324
San Juan Suburban Water District
P. O. Box 85
Orangevale, California

THIS IS TO CERTIFY, That

has made proof as of November 2, 1960,
(the date of inspection) to the satisfaction of the State Water Rights Board of a right to the use of the water of
North Fork American River in Placer County

tributary to American River

for the purpose of irrigation and domestic uses
under Permit 4009 of the State Water Rights Board and that said right to the use of said water has been
perfected in accordance with the laws of California, the Rules and Regulations of the State Water Rights Board and the
terms of the said permit; that the priority of the right herein confirmed dates from February 11, 1928
and that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited
to the amount actually beneficially used for said purposes and shall not exceed fifteen (15) cubic feet per
second to be diverted from about June 1 to about November 1 of each year.

The equivalent of such continuous flow allowance for any thirty-day period may
be diverted in a shorter time if there be no interference with other vested rights.

The point of stream flow measurement at which entitlements under this right are
determined is located at the Old Head Dam Site, more particularly described as
follows:

North eighty-nine degrees fifty-three minutes east (N89° 53'E) one thousand four
hundred and four-tenths (1400.4) feet from W $\frac{1}{4}$ corner of Section 23, T12N, R8E,
MDB&M, being within SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of said Section 23.

The point of diversion of such water is located:

At Folsom Reservoir - South thirty degrees eighteen minutes west (S30° 18'W) two
thousand seven hundred fifteen (2715) feet from NE corner of Section 24, T10N,
R7E, MDB&M, being within SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of said Section 24.

A description of the lands or the place where such water is put to beneficial use is as follows:

Domestic use and irrigation of 7020 acres net, all within a gross area of 27,400
acres within the boundaries of San Juan Suburban Water District, being within
Townships 9N, 10N and 11N, Ranges 6E and 7E, MDB&M, as shown on map filed with
State Water Rights Board.

All rights and privileges under this license including method of diversion, method of use and quantity of water
diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the
interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of
diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time
to time by the State Water Rights Board.

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein
specified and to the lands or place of use herein described.

This license is granted and licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

Dated: JUN 5 1961



L. K. Hill
L. K. Hill
Executive Officer

4/27/98 Asgd. to SAN JUAN WATER DISTRICT

LICENSE 6324
STATE OF CALIFORNIA
STATE WATER RIGHTS BOARD

LICENSE
TO APPROPRIATE WATER

ISSUED TO San Juan Suburban Water Dist.

DATED JUN 5 1961

WRIMS Query Report

Application : S000656 [[JShape Map - 250K](#)] [[JShape Map - 100K](#)]

Primary Contact Owner : C/O GENERAL MANAGER, SAN JUAN WATER DISTRICT

Owner(s) : C/O GENERAL MANAGER, SAN JUAN WATER DISTRICT

Mail Receiver (Owner) : C/O GENERAL MANAGER, SAN JUAN WATER DISTRICT

Source & POD Information :

Water to be diverted from FOLSOM LAKE - (Stream Code: 000300000)

Tributary to AMERICAN RIVER

Maximum Direct Diversion from this source : 155 cubic-feet/sec

Maximum Storage from this source per year : 0 ac-ft/annum

POD IN NE Quarter of NE Quarter of Section 23, T10N, R07E, MM&B (Sacramento County)

Direct Diversion from this POD : 155 cubic-feet/sec

Total Annual Direct Diversion from this POD : 0 ac-ft/annum

Diversion Storage from this POD : 0 ac-ft/annum

Amount :

Maximum Application Direct Diversion : 155 cubic-feet/sec

Purpose of Use : Domestic

Diversion Season : January 1 to December 1

Purpose of Use : Irrigation

Diversion Season : January 1 to December 1

License Image(s) :

No Found

APPENDIX G

FAIR OAKS WATER DISTRICT 2004
CONSUMER CONFIDENCE REPORT



2004 Consumer Confidence Report

Published by the San Juan Family of Water Agencies

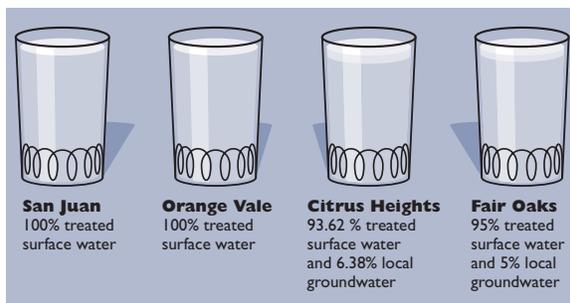
San Juan Water District • Citrus Heights Water District • Fair Oaks Water District • Orange Vale Water Company

The United States Environmental Protection Agency (EPA) and the California Department of Health Services (DHS) have established strict quality standards for drinking water. These standards are designed to protect consumers from waterborne disease organisms and harmful chemicals. Each year, EPA requires public water systems to provide to their consumers a report containing information about drinking water quality and compliance with the standards. This Consumer Confidence Report (CCR) summarizes the most recent testing of your drinking water and includes a comparison of detectable constituents in your drinking water to those standards. This year's CCR concludes that, once again, your drinking water meets all federal and state drinking water standards.

The San Juan Family of Water Agencies (Agencies) is committed to ensuring the delivery of a reliable, high-quality water supply at a reasonable cost to all consumers. The Agencies consist of four water providers, San Juan Water District, Citrus Heights Water District, Fair Oaks Water District, and Orange Vale Water Company. Together they serve northeastern Sacramento County and portions of south Placer County, including Granite Bay.

WHERE DOES OUR WATER COME FROM?

Water from the Agencies comes from two sources: treated surface water and groundwater. San Juan Water District diverts and treats surface water from Folsom Lake. This treated water is then distributed to the Agencies. Orange Vale Water Company and San Juan Water District receive 100 percent of their supply from treated surface water. If you are a consumer of Citrus Heights or Fair Oaks water districts, your water is a mixture of treated surface water from San Juan Water District and groundwater from local wells.



Source water assessments have been conducted for all the water sources to enable the Agencies to understand the activities that have the greatest potential for contaminating the drinking water supplies. The groundwater sources were assessed in 2002 and the surface water source was evaluated in 2001. These assessments were conducted in accordance with DHS guidelines and copies of the complete assessments are available for review at the respective agency offices.

San Juan Water District conducted the evaluation of the Folsom Lake source. It was found to be most vulnerable to potential con-

tamination from the Folsom Lake State Recreation Area facilities, high-density housing and associated activities such as sewer and septic systems and fertilizer, pesticide and herbicide application, as well as illegal activities and dumping. The source water is treated using conventional filtration and disinfection that is designed to remove many contaminants. Again this year, your water meets or exceeds all federal and state drinking water standards.

Citrus Heights and Fair Oaks water districts conducted assessments of their local groundwater wells. It was found that all the wells are vulnerable to commercial urban activities, such as active and historic gas stations, dry cleaners, leaking underground storage tanks, and sewer collection systems, none of which are associated with any detected contaminants.

Although Orange Vale Water Company does not currently utilize local groundwater, assessments found that the wells would be most vulnerable to rural grazing activities.

WHAT'S IN OUR WATER?

The sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in the source water include:

- **Microbial contaminants**, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants**, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA and the California DHS prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DHS regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

IMPORTANT INFORMATION ABOUT

Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Radon is a radioactive gas that you can't see, taste or smell. It is found throughout the United States. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water will, in most cases, be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. Fix your home if the level of radon in your air is 4 picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that aren't too costly. For additional information, call the California Radon Program (1-800-745-7236) or call EPA's Radon Hotline at (1-800-SOS-RADON).

Cryptosporidium is a disease-causing microorganism found in surface water throughout the United States that can be transmitted through ingestion of contaminated food, drinking water, recreational waters, or fecal material. Monthly monitoring of the untreated surface water resulted in the detection of a single microorganism in 2004. Current test methods do not allow us to determine if it is capable of causing disease. Although filtration treatment of the surface water cannot guarantee 100 percent removal, San Juan's treatment process is expected to remove at least 99 percent of these microorganisms. Ingestion of *Cryptosporidium* may cause cryptosporidiosis, an abdominal infection with symptoms that include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people are at greater risk of developing life-threatening illnesses. We encourage immuno-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection.



HOW TO READ THE 2004 TABLE OF DETECTED CONSTITUENTS

Find your water supplier along the top of the chart. You will need to look at both San Juan surface water and the ground-water supplies if you receive water from Citrus Heights or Fair Oaks water districts. If you don't know who your water supplier is, we would be happy to help you. Please call San Juan Water District at 791-0115. You can then compare the levels of your water supply to the federal and state standards.

WATER QUALITY DEFINITIONS

Maximum Contaminant Level (MCL) — The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Public Health Goal (PHG) — The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Contaminant Level Goals (MCLG) — The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the US Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL) — The level of a disinfectant added for water treatment that may not be exceeded at a consumer's tap.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the US Environmental Protection Agency.

Primary Drinking Water Standard (PDWS) — MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Treatment Technique (TT) — A required process intended to reduce the level of a contaminant in drinking water.

KEY TO ABBREVIATIONS

PPB	parts per billion or micrograms per liter (ug/L)
PPM	parts per million or milligrams per liter (mg/L)
pCi/L	picocuries per liter
NTU	nephelometric turbidity units
UMHOS/CM	microhms per centimeter
ND	Not Detected
NR	Not Required
NS	Not Sampled
N/A	Not Applicable
TOC	Total Organic Carbon

SAN JUAN FAMILY OF WATER AGENCIES

2004 TABLE OF DETECTED CONSTITUENTS

DETECTED PRIMARY DRINKING WATER CONSTITUENTS regulated to protect your health													
Constituent	Units	PHG or (MCLG) or [MRDLG]	MCL or [MRDL]	San Juan Surface Water Including Orange Yale Water Company			Citrus Heights Groundwater			Fair Oaks Groundwater			Major Sources
				Range	Average	Year Sampled	Range	Average	Year Sampled	Range	Average	Year Sampled	
Arsenic	PPB	4	50	ND	ND	2004	ND - 2.9	ND	2004	ND	ND	2003	Erosion of natural deposits
Chromium	PPB	(100)	50	ND	ND	2004	ND	ND	2004	ND - 15	ND	2003	Erosion of natural deposits
Fluoride	PPM	1	2	ND	ND	2004	0.21 - 0.25	0.23	2004	ND - 0.1	ND	2003	Erosion of natural deposits
Nitrate (as nitrate)	PPM	45	45	ND	ND	2004	4.1 - 13	7.23	2004	ND - 28	10.1	2003	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Combined Radium	pCi/L	NONE	5	ND - 1.977	ND	2003	NR	N/A	N/A	NR	N/A	N/A	Erosion of natural deposits
Chlorine Residual (distribution system)	PPM	[4]	[4]	0.31 - 1.02	0.61	2004	0.3 - 0.67	0.54	2004	0.2 - 0.8	0.5	2004	Drinking water disinfectant added for treatment
Total Trihalomethanes (distribution system)	PPB	NONE	80	30 - 49	40	2004	32 - 46	39.3	2004	ND - 7.3	4.3	2004	By-product of drinking water chlorination
Haloacetic Acids (distribution system)	PPB	NONE	60	14 - 18	16	2004	7 - 28	15.5	2004	1.6 - 2.5	2	2004	By-product of drinking water chlorination
Control of Disinfection By-Product precursors (TOC) (raw water) (a)	PPM	NONE	TT = 2	1.1 - 1.8	1.4	2004	NR	N/A	N/A	NR	N/A	N/A	Various natural and manmade sources
Constituent	Units	PHG OR (MCLG)	MCL	Level Found	Year Sampled	Level Found	Year Sampled	Level Found	Year Sampled	Major Sources			
Turbidity (a)	NTU	NONE	TT = 1 NTU	0.44	2004	NR	N/A	NR	N/A	Soil runoff			
	% Samples	NONE	TT = ≤0.3 NTU	99.999	2004	NR	N/A	NR	N/A				
Constituent	Units	PHG OR (MCLG)	MCL	Highest Monthly Result	# Months with Positive Sample	Year Sampled	Highest Monthly Result	# Months with Positive Sample	Year Sampled	Highest Monthly Result	# Months with Positive Sample	Year Sampled	Major Sources
Total Coliform Bacteria	% Samples Positive	(0)	>5% Monthly Samples Positive	ND	0	2004	ND	0	2004	0.38	2	2004	Naturally present in the environment
DETECTED SECONDARY DRINKING WATER CONSTITUENTS regulated for aesthetic qualities													
Constituent	Units	PHG or (MCLG)	MCL	San Juan Surface Water Including Orange Yale Water Company			Citrus Heights Groundwater			Fair Oaks Groundwater			Major Sources
				Range	Average	Year Sampled	Range	Average	Year Sampled	Range	Average	Year Sampled	
Chloride	PPM	NONE	500	2.9	2.9	2004	9.1 - 28	17.3	2004	2 - 19	7.7	2003	Runoff/leaching from natural deposits
Specific Conductance	UMHOS/CM	NONE	1600	85	85	2004	230 - 370	286	2004	110 - 400	234	2003	Substances that form ions when in water
Sulfate	PPM	NONE	500	6.6	6.6	2004	6.9 - 9.7	8	2004	4 - 28	11.6	2003	Runoff/leaching from natural deposits
Turbidity	NTU	NONE	5	0.1	0.1	2004	ND	ND	2004	NS	N/A	N/A	Soil runoff
Total Dissolved Solids	PPM	NONE	1000	54	54	2004	190 - 290	236	2004	100 - 300	190	2003	Runoff/leaching from natural deposits
DETECTED UNREGULATED DRINKING WATER CONSTITUENTS (b)													
Constituent	Units	PHG or (MCLG)	MCL	San Juan Surface Water Including Orange Yale Water Company			Citrus Heights Groundwater			Fair Oaks Groundwater			Major Sources
				Range	Average	Year Sampled	Range	Average	Year Sampled	Range	Average	Year Sampled	
Hardness	PPM	NONE	NONE	34	34	2004	100 - 160	123	2004	44 - 180	104	2003	Hardness is the sum of polyvalent cations present in the water, generally naturally occurring magnesium and calcium.
Sodium	PPM	NONE	NONE	2.7	2.7	2004	11 - 27	21	2004	5 - 60	18.4	2003	Naturally occurring salt in the water
Calcium	PPM	NONE	NONE	10	10	2004	23 - 36	28	2004	11 - 39	28	2003	Erosion of natural deposits
Magnesium	PPM	NONE	NONE	2.2	2.2	2004	10 - 17	13	2004	4.1 - 24	10.9	2003	Erosion of natural deposits
Boron	PPM	NONE	NONE	ND	ND	2002	ND - 110	ND	2004	ND	ND	2003	Erosion of natural deposits
Hexavalent Chromium	PPB	NONE	NONE	ND	ND	2002	ND - 2	1.1	2003	ND	ND	2003	Erosion of natural deposits
Tert butyl alcohol	PPB	NONE	NONE	ND	ND	2002	ND - 2	ND	2003	ND	ND	2003	Manufacture of fuel products and food container products
Vanadium	PPB	NONE	NONE	NR	N/A	N/A	6.3 - 10	7.9	2004	ND - 7	4.9	2003	Erosion of natural deposits
Radon 222	pCi/L	NONE	NONE	NR	N/A	N/A	206 - 263	229	1999	123 - 886	347	2001	Erosion of natural deposits

(a) Only surface water sources must comply with PDWS for Control of Disinfection By-Product Precursors and turbidity.

(b) Unregulated contaminant monitoring helps determine where certain contaminants occur and whether they need to be regulated.

The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.



2004 Consumer Confidence Report

Published by the
San Juan Family of Water Agencies
P.O. Box 2157
Granite Bay, CA 95746

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o bable con alguien que lo entienda bien.

ΤΟΥΤΟ ΨΕΦ
ΨΕΤΣΨΝΟΟ
ΤΝΘΕ
ŠWSNUCEON
ΤΟΥΘ ΨŠŠÉÉÉÉ

Once again, your drinking water continues to meet all state and federal drinking water standards.



CONTACT US

If you have any questions about this report or your water supply, please contact your local water provider. Each of the member agencies holds monthly board meetings that are open to the public as indicated below.



San Juan Water District

Contact Person:
Michael O'Bleness
(916) 791-1715
mike@sjwd.org
www.sjwd.org

Board Meetings:
2nd and 4th Wednesdays
each month, 7:00 p.m.
9935 Auburn-Folsom Road
Granite Bay



Citrus Heights Water District

Contact Person:
Brian Hensley
(916) 725-6873
bhensley@chwd.org
www.chwd.org

Board Meetings:
2nd Tuesday each month
6:30 p.m.
6230 Sylvan Road,
Citrus Heights



Fair Oaks Water District

Contact Person:
Jason Plecker
(916) 967-5002, x107
jplecker@fowd.com
www.fowd.com

Board Meetings:
3rd Thursday each month
5:30 p.m.
10317 Fair Oaks Boulevard
Fair Oaks



Orange Vale Water Company

Contact Person:
John Wingerter
(916) 988-1693
jwingerter@orangevalewater.com

Board Meetings:
1st Tuesday each month
7:30 p.m.
9031 Central Avenue
Orange Vale

A NOTE FOR SENSITIVE POPULATIONS

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants, can be particularly at risk from infections.

These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

APPENDIX H

BMP ACTIVITY REPORTS

Rej

Water Supply & Reuse

Reporting Unit:
Fair Oaks Water District

Year:
2002

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
--------------------	------------------------	-------------

Total AF:

Rej

Accounts & Water Use

Reporting Unit Name:
Fair Oaks Water District

Submitted to
CUWCC
03/31/2003

Year:
2002

A. Service Area Population Information:

1. Total service area population 35725

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	4510	6063	8173	0
2. Multi-Family	36	878	0	0
3. Commercial	350	1096	0	0
4. Industrial	0	0	0	0
5. Institutional	12	173	0	0
6. Dedicated Irrigation	67	170	0	0
7. Recycled Water	0	0	0	0
8. Other	0	0	0	0
9. Unaccounted	NA	0	NA	5687
Total	4975	8380	8173	5687
	Metered		Unmetered	

Rej

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

- | | |
|---|------------|
| 1. Based on your signed MOU date, 05/11/1998, your Agency STRATEGY DUE DATE is: | 05/10/2000 |
| 2. Has your agency developed and implemented a targeting/ marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 11/1/1989 |
| 3. Has your agency developed and implemented a targeting/ marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 11/1/1989 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	12683	2375
2. Number of surveys completed:	35	326
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	yes	yes
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	yes	yes
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	yes	yes
Outdoor Survey:		
6. Check irrigation system and timers	yes	yes
7. Review or develop customer irrigation schedule	yes	yes
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no
10. Which measurement method is typically used (Recommended but not required for surveys)		None
11. Were customers provided with information	yes	yes

packets that included evaluation results and water savings recommendations?

12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? yes yes

a. If yes, in what form are surveys tracked? None

b. Describe how your agency tracks this information.

Information is entered into a database “ACCELA”. The data fields are work order tracked, action sorted and address driven. There are categories and templates that are drawn upon for conservation actions in relation to BMPs.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1800	2200
2. Actual Expenditures	5508	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The only component of Exhibit One (1) that the district is not performing is the directly contact via letter (100% via the district newsletter twice a year) and is not performing any telephone contact at all either in the family residential customers arena or multi-family residential customers arena for each reporting period.

BMP 02: Residential Plumbing Retrofit

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
 - a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? no
3. Estimated percent of single-family households with low-flow showerheads: 11%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? no
5. Estimated percent of multi-family households with low-flow showerheads: 30%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
 - a. If YES, when did your agency begin implementing this strategy? 1/31/1992
 - b. Describe your targeting/ marketing strategy.

The District utilizes its newsletter to provide the information that the district offers the internal audits. There are notes on customer bills, bill stuffers, brochures staged at events not limited to Home & Garden / Landscape venues, GET W.E.T., Salmon Festival and local festivals that the district attends, including participation in the Regional Water Authority's (Regional Water Efficiency Program Advisory Committee & RWEPAC). Conservation Coordinator goes to multi-family complexes and approaches managers with the audits. District also includes the audits as an integral part of its metering program. Customers, volunteers or otherwise, that the District plans to meter receive notification of the District's intentions.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	75	450
3. Number of toilet-displacement devices	0	0

distributed:

- | | | |
|--|-----|-----------------|
| 4. Number of toilet flappers distributed: | 0 | 0 |
| 5. Number of faucet aerators distributed: | 145 | 1160 |
| 6. Does your agency track the distribution and cost of low-flow devices? | | yes |
| a. If YES, in what format are low-flow devices tracked? | | Manual Activity |
| b. If yes, describe your tracking and distribution system : | | |

Numbers are tracked only in an active knowledge. At this time the known SF accounts and MF units are tracked in the "ACCELA" database. The specifics for particular items used is a standard or a known given.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	8200	9000
2. Actual Expenditures	3835	

D. "At Least As Effective As"

- | | |
|--|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as." | |

E. Comments

The only component of Exhibit One (1) that the district is not performing is the directly contact via letter (100% via the district newsletter twice a year) and is not performing any telephone contact at all either in the family residential customers arena or multi-family residential customers arena for each reporting period.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF)
 - b. Determine other system verifiable uses (AF)
 - c. Determine total supply into the system (AF)
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? no
 - a. If yes, describe the leak detection program:

B. Survey Data

1. Total number of miles of distribution system line. 183
2. Number of miles of distribution system line surveyed. 0

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The district is not fully metered at this point in time. The district is aggressively replacing currently known and newly identified steel piping

that is in service within the district's boundaries and or investigating alternate methods to retrofit steel transmission lines. The district's master plan is being reviewed and updated to identify all steel piping and questionable piping that has had a history of seepage problems.

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

1. Does your agency require meters for all new connections and bill by volume-of-use? no
2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? no
- a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed?
- b. Describe the program:

The district beginning in 1986 began efforts to install water meters. These efforts have expanded over time to include: (1) metering new service connections, (2) metering service lines that are replaced due to deteriorating condition, (3) metering service lines tied to water mains that are replaced, (4) metering any customer requesting a meter, and (5) metering nearly all commercial and multi-family customers. All commercial and multi-family customers were fully metered by 2002. . Meters installed for commercial and multi-family applications are billed on a volume-by-use. The district does not require to bill by volume-of-use for residential meters installed but instead offers a bill-by-volume after the meter has meter reads consecutively for one year.

3. Number of previously unmetered accounts fitted with meters during report year. 395

B. Feasibility Study

1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? no
- a. If YES, when was the feasibility study conducted? (mm/dd/yy)
- b. Describe the feasibility study:

2. Number of CII accounts with mixed-use meters. 0
3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. 0

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	390000	607600
2. Actual Expenditures	128288	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Water Use Budgets

- | | |
|--|----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 67 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|----------|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 3/3/1998 |
| b. Description of marketing / targeting strategy: | |
| <p>The District utilizes its newsletter to provide the information that the district offers the landscape audits. There are notes on customer bills, bill stuffers, brochures staged at events not limited to Home & Garden / Landscape venues, GET W.E.T., Salmon Festival and local festivals that the district attends, including participation in the Regional Water Authority (Regional Water Efficiency Program Advisory Committee (RWEPAAC). District also includes the audits as an integral part of its metering program. Customers, volunteers or otherwise, that the District plans to meter receive notification of the District intentions.</p> | |
| 2. Number of Surveys Offered. | 12 |
| 3. Number of Surveys Completed. | 12 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | no |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | no |
| e. Measure Total Irrigable Area | no |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | no |

a. If YES, describe below:

C. Other BMP 5 Actions

1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. no

Does your agency provide mixed-use accounts with landscape budgets?

2. Number of CII mixed-use accounts with landscape budgets. 0

3. Do you offer landscape irrigation training? no

4. Does your agency offer financial incentives to improve landscape water use efficiency? no

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0
b. Loans	0	0	0
c. Grants	0	0	0

5. Do you provide landscape water use efficiency information to new customers and customers changing services? yes

a. If YES, describe below:

The district has a new homeowner packet of material that addresses reading your meter, irrigation services provided. With in this packet is information and services identifying audits, scheduling controllers, minor repairs, recommendations, change out and installation of customer supplied irrigation controller, over watering, when to decrease watering in the fall, Rules of Thumb for Gardening and specific drought tolerant plants brochure and a list of websites that are passed out to customers that are addressing the issue of changing or modifying their landscape.

6. Do you have irrigated landscaping at your facilities? yes

a. If yes, is it water-efficient? yes

b. If yes, does it have dedicated irrigation metering? no

7. Do you provide customer notices at the start of the irrigation season? yes

8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	100636
2. Actual Expenditures	0	

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Accounts with dedicated irrigation meters have been identified but at this time the ETo-based water use as a water budget is not being applied since these accounts are on a flat rate billing structure thus, eliminating the need to provide a budget accounting during each billing cycle. All commercial/Industrial/Institutional Accounts are metered and there are no Mixed-Use Meters. The district offers the following measures: Landscape water use analysis/surveys, voluntary water use budgets, installation of dedicated landscape meters; training in landscape maintenance, irrigation system maintenance, and irrigation system design, and financial incentives will be offered in the year 2003 to improve irrigation system efficiency with the purchasing of and/or installation of water efficient irrigation systems and follow-up water use analyses/surveys consisting of a letter, phone call, or site visit where appropriate. Survey elements will include: measurement of landscape area; measurement of total irrigable area; irrigation system check, and distribution uniformity analysis; review or develop irrigation schedules, as appropriate; provision of a customer survey report and information packet with the tracking of survey offers, acceptance, findings, devices installed, savings potential, and survey cost. The district has installed climate appropriate water efficient landscaping at water agency facilities (well sites, main office and tank site) and has considered dual metering and found not to be appropriate at this time. The district newsletter that is published twice a year and distributed to all customer accounts (May and November) identifies the start of the irrigation season requesting that they check their irrigation systems and make repairs as necessary as well at the end of the irrigation season advising customers to adjust their irrigation system timers and irrigation schedules.

F. Comments

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? yes

a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is.

Sacramento Utilities District (SMUD) - You can receive a \$75 or \$125 rebate when you purchase an energy-efficient clothes washer. The overall efficiency of the clothes washer will determine the amount of rebate. PACIFIC GAS & ELECTRIC - Receive a \$75 rebate by purchasing a qualified ENERGY STAR* appliance. An ENERGY STAR* labeled clothes washer can save you up to \$650 in energy and water costs over the life of the machine, and their gentler washing cycles are kinder to fabrics, helping them look newer, longer. To qualify, the unit must be installed with a water-heating source using natural gas or electricity distributed by Pacific Gas and Electric Company.

2. Does your agency offer rebates for high-efficiency washers? no

3. What is the level of the rebate? 0

4. Number of rebates awarded. 0

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

The district at this time is not offering a washing machine rebate.

BMP 07: Public Information Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The district utilizes and maintains an ongoing public information programs promoting water conservation and conservation related benefits. The district participates in the Regional Water Efficiency Program Advisory Committee (RWEFAC) that is affiliated with the Regional Water Authority that promoted paid radio messages in October and June; and Public Service announcements in November, press releases and CIMIS line. In addition, the district maintains a Website, attends the Salmon Festival put on by the Department of Fish and Game, and supports the local horticultural center in Fair Oaks. The district also supports home and garden shows, publishes a newsletter twice a year, sent 4 employees to Speaker Bureau training, attended GET W.E.T., Splash Festival, Fiesta Days and Harvest Days within Fair Oaks. The district also speaks at local club gatherings in discussing meter implementation and water conservation.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	250
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	6
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	7
g. Speaker's Bureau	yes	1
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	125000	125000
2. Actual Expenditures	124642	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?

No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 08: School Education ProgramsReporting Unit:
Fair Oaks Water DistrictBMP Form Status:
100% CompleteYear:
2002**A. Implementation**1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	no	0	0	0
Grades 4th-6th	yes	0	2400	0
Grades 7th-8th	no	0	0	0
High School	no	0	0	0

3. Did your Agency's materials meet state education framework requirements? yes4. When did your Agency begin implementing this program? 6/1/1993**B. School Education Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	8800	8900
2. Actual Expenditures	9401	

C. "At Least As Effective As"1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district participates in a variety of programs such as the Newspapers in Education through the Sacramento Bee, which is sponsored through the Regional Water Efficiency Program Advisory Committee (RWEFAC) that is affiliated with the Regional Water Authority. The district provides educational materials to the schools grades 4-6 in support of a Water Conservation Poster Contest. Materials are distributed to approximately 2400 students and corresponding teachers. The district has several classroom presentations that identify urban, agricultural and environmental issues and conditions in the local watershed. Included in the poster contest is a calendar that is published in the amount of 10,000

copies that are distributed to the schools, students, customers and local stores.

D. Comments

BMP 09: Conservation Programs for CII Accounts

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

- | | |
|--|----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | no |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | no |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | no |

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|-----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | yes |
|---|-----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	350	0	12
b. Number of New Surveys Completed	0	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0

CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	yes	no	yes
f. Evaluation of all water-using apparatus and processes	yes	no	yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0

i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option? no
6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings?
7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991.
8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991.

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district offers all of it's conservation programs through the newsletter, bill inserts, billing notices, website and events. The commercial customers went 100% metered billing in the year 2002 and there were zero contacts to the district for assistance in conservation measures. Speculation is that the commercial customers save a significant amount of money when going from a flat rate to a commodity and services billing. The district is targeting 6% of the restaurants for a Rinse & Save spray valve offering. The district is going to re-institute contacting its top 10% of commercial users offering audits as well as follow-ups.

D. Comments

BMP 09a: CII ULFT Water Savings

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

1. Did your agency implement a CII ULFT replacement program in the reporting year? No
 If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program?
 Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

None apply, the district applies to all customers through the newsletter, bill message, events and door to door canvassing the same as the Multi-family and Single-family program.

2. How does your agency advertise this program? Check all that apply.

Bill message
 Newsletter
 Web page
 Trade shows and events

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

Customers utilize the district website, newsletters, events, billing notices and by word of mouth. There appears to be no one advantage to anyone of the items checked.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.)

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No

3. What is the total number of customer accounts participating in the program during the last year ? 2

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	0	0	0	0
b. Retail / Wholesale	0	0	0	0

c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Govern- ment	0	0	0	0
i. Churches	0	0	0	0
j. Other	0	0	0	0

5. Program design.

Rebate or voucher

6. Does your agency use outside services to implement this program? No

a. If yes, check all that apply.

7. Participant tracking and follow-up.

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

a. Disruption to business

b. Inadequate payback

c. Inadequate ULFT performance

d. Lack of funding

e. American's with Disabilities Act

f. Permitting

g. Other. Please describe in B. 9.

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

The CII toilet program is approached the same as the single family and multi-family toilet replacement program and has been on going since 1993.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

Budgeted	Actual
-----------------	---------------

	Expenditure	
a. Labor	0	0
b. Materials	7500	0
c. Marketing & Advertising	0	0
d. Administration & Overhead	0	0
e. Outside Services	0	0
f. Total	7500	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	0
b. State agency contribution	0
c. Federal agency contribution	0
d. Other contribution	0
e. Total	0

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:
Fair Oaks Water District

BMP Form
 Status:
100% Complete

Year:
2002

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Non-volumetric Flat Rate
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$5011478

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$168251
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$483093

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$18625
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$53676

5. Irrigation

a. Water Rate Structure	Non-volumetric Flat Rate
-------------------------	--------------------------

- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$26195

6. Other

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$701100

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	6407900	6963500
2. Actual Expenditures	6650087	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district is in the infancy of metered rates (commercial, institutional and residential volunteers). With the district approaching 38 percent metered, the district at this time is billing structured that there is a mixture of flat rate residential, flat rate irrigation, commodity rates for commercial and service charges for commercial. The institutional (schools) are on a metered rate and thus their consumption is charged as well as the service charges. The district has recently instituted a program where those who are of residential flat rate, are now metered, and wish to convert to a metered rate may do so. The actions of the district meet the spirit of the intent of this BMP.

D. Comments

BMP 12: Conservation Coordinator

Reporting Unit:
**Fair Oaks Water
 District**

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name:
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Michael Cobb
 - c. Coordinator's Title Water Conservation Coordinator
 - d. Coordinator's Experience and Number of Years Experience in the water industry 1999 to present (4 years), Holds certificates as follows: Certified Landscape Irrigation Auditor (CLIA), Water Conservation Practitioner Level 1, and Certified Golf Irrigation Auditor (CGIA). Has for the past three years held the position as the chair for the SAWWA Conservation Committee and now the Regional Water Authority's (RWA) Chair for the Regional Water Authority Program Advisory Committee (RWE PAC). Before this position, the coordinator worked for the federal government as a Health Physicist (nuclear facilities).
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/1/1989
6. Number of conservation staff, including Conservation Coordinator. 2

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted	239478	240000

Expenditures

2. Actual Expenditures 236478

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 13: Water Waste Prohibition

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? no

a. If YES, describe the ordinance:

2. Is a copy of the most current ordinance(s) on file with CUWCC? no

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

a. Gutter flooding yes

b. Single-pass cooling systems for new connections no

c. Non-recirculating systems in all new conveyor or car wash systems no

d. Non-recirculating systems in all new commercial laundry systems no

e. Non-recirculating systems in all new decorative fountains yes

f. Other, please name no

2. Describe measures that prohibit water uses listed above:

Per district's board of directors approval, Resolution 0109, water will be used in a beneficial manner; all non-beneficial and wasteful use of water is prohibited. Water use shall be confined to the customer's property and shall not be allowed to run-off to adjoining property, roadside ditch, or gutter. Automatic shut-off device on garden hoses or filling apparatus; shall be used. Free-flowing hoses for water application (i.e. vehicle and equipment washing, ponds, irrigating, evaporative coolers, and livestock watering troughs) is prohibited. Pools, spas, fountains and ponds shall be equipped with recirculating pumps and shall be constructed to be leak-proof. Washing or hydraulic sweeping of streets, parking lots, driveways, sidewalks, patios, tennis courts or buildings is allowed only for health or sanitary considerations.

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

- a. Allow the sale of more efficient, demand-initiated regenerating DIR models. no
- b. Develop minimum appliance efficiency standards that:
 - i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. no
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. no
- c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. no
- 4. Does your agency include water softener checks in home water audit programs? no
- 5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? no

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

California Water Code Section 10631, (e)(4), states that mandatory provisions to reduce water use must be provided which include prohibitions against specific wasteful practices, such as gutter flooding. The district's five-stage water conservation plan contains mandatory water use provisions in every stage. The district reviews and updates its water conservation ordinance annually. This ordinance prohibits gutter flooding, free flowing hoses and washing of streets, parking lots, driveways and sidewalks. Additionally, pools, spas, fountains, ponds must be equipped with a recirculating pump. Leaks must be repaired in a timely manner. No watering or irrigating noon to 6 p.m. seven days a week excluding drip. The district employs a full time conservation coordinator and a conservation specialist. At this time, the district's resolutions do not address water softeners. The quality of water that is provided by district does not require the application of a water softener and is not deemed a point of contention or concern.

E. Comments

BMP 14: Residential ULFT Replacement Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2002**

A. Implementation

	Single-Family Accounts	Multi- Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	45	4
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	0	0
Total	45	4

6. Describe your agency's ULFT program for single-family residences.

Toilet rebate of \$75.00 per toilet. District will pick up the old toilet for disposal. There is a 100 percent inspection of all installed toilets. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection.

7. Describe your agency's ULFT program for multi-family residences.

Toilet rebate of \$75.00 per toilet. District will pick up the old toilet for disposal. There is a 100 percent inspection of all installed toilets. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection.

8. Is a toilet retrofit on resale ordinance in effect for your service area? no

9. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	7500	8300

2. Actual Expenditures

3900

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

The budgeted expenditures are identified as strictly for the toilet to be replaced. The component for labor is accounted for in the salary of each employee. The labor cost for inspection (traveling to and from site), documentation of action and processing of reimbursement check are all accounted for in an additional cost of \$2,426.00.

Rej

Water Supply & Reuse

Reporting Unit:
Fair Oaks Water District

Year:
2003

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
--------------------	------------------------	-------------

Total AF:

Rej

Accounts & Water Use

Reporting Unit Name:
Fair Oaks Water District

Submitted to
CUWCC
04/27/2004

Year:
2003

A. Service Area Population Information:

1. Total service area population 35727

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	12638	5419	7957	0
2. Multi-Family	36	784	0	0
3. Commercial	350	980	0	0
4. Industrial	0	0	0	0
5. Institutional	12	155	0	0
6. Dedicated Irrigation	67	152	0	0
7. Recycled Water	0	0	0	0
8. Other	0	0	0	5083
9. Unaccounted	NA	0	NA	0
Total	13103	7490	7957	5083

Metered

Unmetered

Rej

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

- | | |
|---|------------|
| 1. Based on your signed MOU date, 05/11/1998, your Agency STRATEGY DUE DATE is: | 05/10/2000 |
| 2. Has your agency developed and implemented a targeting/ marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 11/1/1989 |
| 3. Has your agency developed and implemented a targeting/ marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 11/1/1989 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	12683	2375
2. Number of surveys completed:	109	236

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|---|-----|------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | no | no |
| 9. Measure total irrigable area (Recommended but not required for surveys) | no | no |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | None |
| 11. Were customers provided with information | yes | yes |

packets that included evaluation results and water savings recommendations?

12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? yes yes

a. If yes, in what form are surveys tracked? None

b. Describe how your agency tracks this information.

Information is entered into a database ACCELA. The data fields are work order tracked, action sorted and address driven. There are categories and templates that are drawn upon for conservation actions in relation to BMPs.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2200	2300
2. Actual Expenditures	2200	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The only component of Exhibit One (1) that the district is not performing is the directly contact via letter (100% via the district newsletter twice a year) and is not performing any telephone contact at all either in the family residential customers arena or multi-family residential customers arena for each reporting period. The district also participated in support with the Regional Water Authority presenting 3 spring landscape workshops for homeowners, in conjunction with local water suppliers, operates and maintains the Fair Oaks CIMIS station to provide ET data to the statewide DWR network and Sacramento area landscapers, Spring radio advertisements provide traffic spots, at retail nurseries, provide to customers free copies of Rules of Thumb for Water Wise Gardening and Watering Tips for Beautiful Gardens, Provide UC Coop Extension Fair Oaks Horticultural Center and WEL garden with Rules of Thumb for Water Wise Gardening and Watering Tips for Beautiful Gardens, support grand opening; apply for \$1.1 million grant from SWRCB & CAL FED for landscape runoff reduction program; Partner with SMUD. Promote efficient landscape irrigation with bill stuffer designed & printed by SMUD for water suppliers and SMUD mailing; radio broadcast public service announcements for homeowners and landscape managers to Water with the Weather by turning off sprinklers during rainy season.

BMP 02: Residential Plumbing Retrofit

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
 - a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? no
3. Estimated percent of single-family households with low-flow showerheads: 13%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? no
5. Estimated percent of multi-family households with low-flow showerheads: 24%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
 - a. If YES, when did your agency begin implementing this strategy? 1/31/1992
 - b. Describe your targeting/ marketing strategy.

The District utilizes its newsletter to provide the information that the district offers the internal audits. There are notes on customer bills, bill stuffers, brochures staged at events not limited to Home & Garden / Landscape venues, GET W.E.T., Salmon Festival and local festivals that the district attends, including participation in the Regional Water Authority's (Regional Water Efficiency Program Advisory Committee; RWEPAAC). Conservation Coordinator goes to multi-family complexes and approaches managers with the audits. District also includes the audits as an integral part of its metering program. Customers, volunteers or otherwise, that the District plans to meter receive notification of the District's intentions. As well as offers via direct mailing to customers who are receiving installation of meters. Direct delivery by hand to selected areas.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads	230	359

distributed:

3. Number of toilet-displacement devices distributed:	256	359
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	378	685
6. Does your agency track the distribution and cost of low-flow devices?		yes
a. If YES, in what format are low-flow devices tracked?		Database
b. If yes, describe your tracking and distribution system :		

Numbers are tracked only in an active knowledge. At this time the known SF accounts and MF units are tracked in the "ACCELA" database. The specifics for particular items used is a standard or a known given.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	9000	9300
2. Actual Expenditures	9000	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The only component of Exhibit One (1) that the district is not performing is the directly contact via letter (100% via the district newsletter twice a year) and is not performing any telephone contact at all either in the family residential customers arena or multi-family residential customers arena for each reporting period.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF)
 - b. Determine other system verifiable uses (AF)
 - c. Determine total supply into the system (AF)
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? no
 - a. If yes, describe the leak detection program:

B. Survey Data

1. Total number of miles of distribution system line. 183
2. Number of miles of distribution system line surveyed. 1.7

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The district is not fully metered at this point in time. The district is aggressively replacing currently known and newly identified steel piping

that is in service within the districts boundaries and or investigating alternate methods to retrofit steel transmission lines. The districts master plan is being updated to identify all steel piping and questionable piping that has had a history of seepage problems. The district is in a positive upgrade of service areas. This year the district installed 9,000 feet of new service line and abandoning 9,000 feet of old service line.

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Does your agency require meters for all new connections and bill by volume-of-use? no
2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? no

- a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed?
- b. Describe the program:

The district beginning in 1986 began efforts to install water meters. These efforts have expanded over time to include: (1) metering new service connections, (2) metering service lines that are replaced due to deteriorating condition, (3) metering service lines tied to water mains that are replaced, (4) metering any customer requesting a meter, and (5) metering nearly all commercial and multi-family customers. All commercial and multi-family customers were fully metered by the end of calendar year 2001. Meters installed for commercial and multi-family applications are billed on a volume-by-use. The district does not require to bill by volume-of-use for residential meters installed but instead offers a bill-by-volume after the meter has meter reads consecutively for one year.

3. Number of previously unmetered accounts fitted with meters during report year. 525

B. Feasibility Study

1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? no

- a. If YES, when was the feasibility study conducted?
(mm/dd/yy)

- b. Describe the feasibility study:

2. Number of CII accounts with mixed-use meters. 0
3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. 0

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	607600	1367600
2. Actual Expenditures	558800	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Water Use Budgets

- | | |
|--|----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 67 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|-----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | yes |
|--|-----|

a. If YES, when did your agency begin implementing this strategy?	3/3/1998
---	----------

b. Description of marketing / targeting strategy:

The District utilizes it's newsletter to provide the information that the district offers the landscape audits. There are notes on customer bills, bill stuffers, brochures staged at events not limited to Home & Garden / Landscape venues, GET W.E.T., Salmon Festival and local festivals that the district attends, including participation in the Regional Water Authority (Regional Water Efficiency Program Advisory Committee (RWEPA)). District also includes the audits as an integral part of its metering program. Customers, volunteers or otherwise, that the District plans to meter receive notification of the District intentions. As a member of the RWA, in conjunction with local water suppliers, operates and maintains the Fair Oaks CIMIS station to provide ET data to the statewide DWR network and Sacramento area landscapers, participating in a submittal for a successful application for 2003 Prop 13 grant resulting in \$975,000 for landscape irrigation improvements with RWA in conjunction to implement 2002 Prop 13 grant of \$150,000 for landscape irrigation improvements in applying in conjunction with \$1.1 million grant from SWRCB & CAL FED for landscape runoff reduction program. Supportive of RWA in presentation of three autumn landscape workshops for homeowners.

- | | |
|--|-----|
| 2. Number of Surveys Offered. | 2 |
| 3. Number of Surveys Completed. | 2 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | no |

- c. Review / Develop Irrigation Schedules yes
- d. Measure Landscape Area no
- e. Measure Total Irrigable Area no
- f. Provide Customer Report / Information yes
- 5. Do you track survey offers and results? yes
- 6. Does your agency provide follow-up surveys for previously completed surveys? no
 - a. If YES, describe below:

C. Other BMP 5 Actions

- 1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. no
- Does your agency provide mixed-use accounts with landscape budgets?
- 2. Number of CII mixed-use accounts with landscape budgets.
- 3. Do you offer landscape irrigation training? no
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? no

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0
b. Loans	0	0	0
c. Grants	0	0	0

- 5. Do you provide landscape water use efficiency information to new customers and customers changing services? yes

a. If YES, describe below:

The district has a new homeowner packet of material that addresses reading your meter, irrigation services provided. With in this packet is information and services identifying audits, scheduling controllers, minor repairs, recommendations, change out and installation of customer supplied irrigation controller, over watering, when to decrease watering in the fall, Rules of Thumb for Gardening and specific drought tolerant plants brochure and a list of websites that are passed out to customers that are addressing the issue of changing or modifying their landscape.

- 6. Do you have irrigated landscaping at your facilities? yes
 - a. If yes, is it water-efficient? yes
 - b. If yes, does it have dedicated irrigation metering? no
- 7. Do you provide customer notices at the start of the irrigation season? yes

8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	100636	100636
2. Actual Expenditures	0	

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Accounts with dedicated irrigation meters have been identified but at this time the ETo-based water use as a water budget are not being applied since these accounts are on a flat rate billing structure thus, eliminating the need to provide a budget accounting during each billing cycle. All commercial/Industrial/Institutional accounts are metered and there are no Mixed-Use Meters. The district offers the following measures: Landscape water use analysis/surveys, voluntary water use budgets, installation of dedicated landscape meters; training in landscape maintenance, irrigation system maintenance, and irrigation system design, and financial incentives will be offered in the year 2003 to improve irrigation system efficiency with the purchasing of and/or installation of water efficient irrigation systems and follow-up water use analyses/surveys consisting of a letter, phone call, or site visit where appropriate. Survey elements will include: measurement of landscape area; measurement of total irrigable area; irrigation system check, and distribution uniformity analysis; review or develop irrigation schedules, as appropriate; provision of a customer survey report and information packet with the tracking of survey offers, acceptance, findings, devices installed, savings potential, and survey cost. The district has installed climate appropriate water efficient landscaping at water agency facilities (well sites, main office and tank site) and has considered dual metering and found not to be appropriate at this time. The district newsletter that is published twice a year and distributed to all customer accounts (May and November) identifies the start of the irrigation season requesting that they check their irrigation systems and make repairs as necessary as well at the end of the irrigation season advising customers to adjust their irrigation system timers and irrigation schedules.

F. Comments

Due to state financial and political changes and difficulties, the grant money has not been forth coming as expected. The projection is that the money may become available in 2004.

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? yes

a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is.

The information provide that follows may not be factual as stated due to the dynamic time sensitive programs that are offered concerning washing machine rebates. Sacramento Utilities District (SMUD) - You can receive a \$75 or \$125 rebate when you purchase an energy-efficient clothes washer. The overall efficiency of the clothes washer will determine the amount of rebate. PACIFIC GAS & ELECTRIC - Receive a \$75 rebate by purchasing a qualified ENERGY STAR* appliance. An ENERGY STAR* labeled clothes washer can save you up to \$650 in energy and water costs over the life of the machine, and their gentler washing cycles are kinder to fabrics, helping them look newer, longer. To qualify, the unit must be installed with a water-heating source using natural gas or electricity distributed by Pacific Gas and Electric Company.

2. Does your agency offer rebates for high-efficiency washers? no

3. What is the level of the rebate? 0

4. Number of rebates awarded. 0

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 07: Public Information Programs

Reporting Unit:	BMP Form Status:	Year:
Fair Oaks Water District	100% Complete	2003

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The district utilizes and maintains an ongoing public information programs promoting water conservation and conservation related benefits. The district is a member of the Regional Water Authority (RWA) and is a board member of the RWA; participates in the Regional Water Efficiency Program Advisory Committee (RWEFAC) that is affiliated with the RWA that promotes paid radio messages, Public Service announcements, press releases and CIMIS information. In addition, the district maintains a Website, attends the Salmon Festival put on by the Department of Fish and Game, and supports the local horticultural center in Fair Oaks. The district also supports home and garden shows, publishes a newsletter twice a year, Get W.E.T., Splash Festival, Fiesta Days and Harvest Days within Fair Oaks. The district also speaks at local club gatherings in discussing meter implementation and water conservation. In public outreach through the (RWA); there were 3 spring landscape workshops for homeowners, spring radio advertisements provide traffic spots Fair Oaks Water district had an exhibit booth at GET W.E.T. Fair to provide water efficiency materials. RWA provide Sacramento media contacts with media kit Guide to Water Efficiency Projects in the Sacramento Region including contacts for selected water suppliers Provide UC Coop Extension Fair Oaks Horticultural Center and WEL garden with Rules of Thumb for Water Wise Gardening and Watering Tips for Beautiful Gardens, supported grand opening; announced that RWA applied for \$1.1 million grant from SWRCB & CAL FED for landscape runoff reduction program; RWA-partnered with SMUD to promote efficient landscape irrigation with bill stuffer designed & printed by SMUD for water suppliers and SMUD mailing; RWA- radio broadcast public service announcements for homeowners and landscape managers to Water with the Weather by turning off sprinklers during rainy season. RWA- partnered with SMUD to promote water efficient appliances with Point-of-Purchase shelf ad and bill stuffer designed & printed by SMUD for water supplier and SMUD mailing. RWA public outreach promoted 30 minute radio discussion of water issues with Infinity Broadcasting airing 6 times in the spring; promoted radio broadcast public service announcements for homeowners and landscape managers to Water with the Weather by turning off sprinklers during rainy season in the fall; placed news release in Sacramento Bee describing benefits of Rinse and Save program to restaurants; provide Water with the Weather print ads to local newspapers in October of 2003; develop water efficiency content for RWA website and RWA website goes active; provide News 10 TV speaker promoting water

efficiency with City of Sacramento; provided exhibit booth at Salmon Festival in October to provide water efficiency materials as well as supported exhibit booth at Pumpkin Festival in October to provide water efficiency materials.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	11
b. Public Service Announcement	yes	6
c. Bill Inserts / Newsletters / Brochures	yes	15
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	4
f. Special Events, Media Events	yes	7
g. Speaker's Bureau	yes	1
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	125000	155800
2. Actual Expenditures	146600	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 08: School Education ProgramsReporting Unit:
Fair Oaks Water DistrictBMP Form Status:
100% CompleteYear:
2003**A. Implementation**1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	no	0	0	0
Grades 4th-6th	yes	1	35	0
Grades 7th-8th	no	0	0	0
High School	no	0	0	0

3. Did your Agency's materials meet state education framework requirements? yes4. When did your Agency begin implementing this program? 6/1/1993**B. School Education Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	8800	11100
2. Actual Expenditures	9800	

C. "At Least As Effective As"1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district participates in a variety of programs such as the Newspapers in Education through the Sacramento Bee, which is sponsored through the Regional Water Efficiency Program Advisory Committee (RWEFAC) that is affiliated with the Regional Water Authority. The district provides educational materials to the schools grades 4-6 in support of a Water Conservation Poster Contest. Materials are distributed to approximately 2400 students and corresponding teachers. The district has several classroom presentations that identify urban, agricultural and environmental issues and conditions in the local watershed. Included in the poster contest is a calendar that is published in the amount of 10,000

copies that are distributed to the schools, students, customers and local stores. The district held a single class room presentation. The ceremony awards for the poster contest were held at an assembly where the estimated students present were 600 including faculty and parents. The "Splash Festival" the district interacted with several schools over a six hour period and interacted with 425 children. RWA- in partnership with Sacramento Stormwater program presents Water Education Tour to 10,000 students. \$15,000 RWA portion funded by USBR scheduling 84 performances with in the region.

D. Comments

BMP 09: Conservation Programs for CII Accounts

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

- | | |
|--|----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | no |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | no |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | no |

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|-----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | yes |
|---|-----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	350	0	12
b. Number of New Surveys Completed	1	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0

CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	yes	no	yes
f. Evaluation of all water-using apparatus and processes	yes	no	yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0

i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

- | | |
|---|----|
| 5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option? | no |
| 6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings? | no |
| 7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. | |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. | |

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|-----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | yes |
|---|-----|

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district offers all of its conservation programs through the newsletter, bill inserts, billing notices, website and events. The commercial customers went 100% metered billing in the year 2002 and there were zero contacts to the district for assistance in conservation measures. Speculation is that the commercial customers save a significant amount of money when going from a flat rate to a commodity and services billing. The district completed the first phase of the rinse and save program with 12 replacements. RWA- continue discussions with SMUD exploring promotions and training water efficiency concepts to businesses; develop contracts with Sacramento Regional County Sanitation District to receive funds for toilet replacement incentives and developed a project brochure and SRCSD bill stuffer to 270,000 customers. In initial year, replace 314 toilets, saving approximately 3500 CCF/year placing a news release in Sacramento Bee describing benefits of "Rinse and Save" program to restaurants; developed a RFP and contract with SKS to develop database structure as foundation of BMP 9 implementation. Funded by \$35,000 DWR Grant. RWA- sent letters to plumbing contractors & suppliers regarding toilet replacement program and RWA- initiate discussions with Sacramento County Business Environmental Resource Center (BERC) exploring promotion of water efficiency concepts to

businesses.

D. Comments

BMP 09a: CII ULFT Water Savings

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

1. Did your agency implement a CII ULFT replacement program in the reporting year? No
 If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program?
 Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

None apply, the district applies to all customers through the newsletter, bill message, events and door to door canvassing the same as the Multi-family and Single-family program.

2. How does your agency advertise this program? Check all that apply.

- Bill insert
- Bill message
- Newsletter
- Web page
- Trade shows and events

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

Customers utilize the district website, newsletters, events, billing notices and by word of mouth. There appears to be no one advantage to anyone of the items checked.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.)

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No

3. What is the total number of customer accounts participating in the program during the last year ? 1

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	5	0	0	0
b. Retail / Wholesale	0	0	0	0

c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Govern- ment	0	0	0	0
i. Churches	0	0	0	0
j. Other	0	0	0	0

5. Program design.

Rebate or voucher

6. Does your agency use outside services to implement this program? No

a. If yes, check all that apply.

7. Participant tracking and follow-up.

No follow-up

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

a. Disruption to business 1

b. Inadequate payback 1

c. Inadequate ULFT performance 1

d. Lack of funding 5

e. American's with Disabilities Act 3

f. Permitting 1

g. Other. Please describe in B. 9.

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

The CII toilet program is approached the same as the single family and multi-family toilet replacement program and has been on going since 1993.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

Budgeted Actual

	Expenditure	
a. Labor	0	0
b. Materials	1000	375
c. Marketing & Advertising	0	0
d. Administration & Overhead	0	0
e. Outside Services	0	0
f. Total	1000	375

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	0
b. State agency contribution	0
c. Federal agency contribution	0
d. Other contribution	1500
e. Total	1500

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:
Fair Oaks Water District

BMP Form
 Status:
100% Complete

Year:
2003

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Non-volumetric Flat Rate
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$4700
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$5677600

2. Commercial

a. Water Rate Structure	Uniform Seasonal
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$208600
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$601200

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$19580
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$56126

5. Irrigation

a. Water Rate Structure	Non-volumetric Flat Rate
-------------------------	--------------------------

- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$28810

6. Other

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$499500

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	6963500	7383200
2. Actual Expenditures	6982300	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district is in the infancy of metered rates (commercial, institutional and residential volunteers). With the district approaching 38 percent metered, the district at this time is billing structured that there is a mixture of flat rate residential, flat rate irrigation, commodity rates for commercial and service charges for commercial. The institutional (schools) are on a metered rate and thus their consumption is charged as well as the service charges. The district has recently instituted a program where those who are of residential flat rate, are now metered, and wish to convert to a metered rate may do so. The actions of the district meet the spirit of the intent of this BMP.

D. Comments

BMP 12: Conservation Coordinator

Reporting Unit:
**Fair Oaks Water
 District**

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name:
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Michael Cobb
 - c. Coordinator's Title Water Conservation Coordinator
 - d. Coordinator's Experience and Number of Years Experience in the water industry 1999 to present (5years), Holds certificates as follows: Certified Landscape Irrigation Auditor (CLIA), Water Conservation Practitioner Level 1, and Certified Golf Irrigation Auditor (CGIA). Has for the past three years held the position Regional Water Authority's (RWA) Chair for the Regional Water Authority Program Advisory Committee (RWEFAC). Before this position, the coordinator worked for the federal government as a Health Physicist (nuclear facilities).
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/1/1989
6. Number of conservation staff, including Conservation Coordinator. 2

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	240000	297809
2. Actual Expenditures	240000	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?

no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 13: Water Waste Prohibition

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? no

a. If YES, describe the ordinance:

2. Is a copy of the most current ordinance(s) on file with CUWCC? no

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

a. Gutter flooding yes

b. Single-pass cooling systems for new connections no

c. Non-recirculating systems in all new conveyor or car wash systems no

d. Non-recirculating systems in all new commercial laundry systems no

e. Non-recirculating systems in all new decorative fountains yes

f. Other, please name no

2. Describe measures that prohibit water uses listed above:

Per district's board of directors approval, Resolution 0109, water will be used in a beneficial manner; all non-beneficial and wasteful use of water is prohibited. Water use shall be confined to the customer's property and shall not be allowed to run-off to adjoining property, roadside ditch, or gutter. Automatic shut-off device on garden hoses or filling apparatus shall be used. Free-flowing hoses for water application (i.e. vehicle and equipment washing, ponds, irrigating, evaporative coolers, and livestock watering troughs) is prohibited. Pools, spas, fountains and ponds shall be equipped with recirculating pumps and shall be constructed to be leak-proof. Washing or hydraulic sweeping of streets, parking lots, driveways, sidewalks, patios, tennis courts or buildings is allowed only for health or sanitary considerations. Automated systems may operate daily from midnight to 10:00 am and manual systems may operate daily from 6:00 pm to noon.

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

- a. Allow the sale of more efficient, demand-initiated regenerating DIR models. no
- b. Develop minimum appliance efficiency standards that:
 - i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. no
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. no
- c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. no

4. Does your agency include water softener checks in home water audit programs? no

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? no

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	24000	30000
2. Actual Expenditures	24000	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

California Water Code Section 10631, (e)(4), states that mandatory provisions to reduce water use must be provided which include prohibitions against specific wasteful practices, such as gutter flooding. The districts five-stage water conservation plan contains mandatory water use provisions in every stage. The district reviews and updates its water conservation ordinance annually. This ordinance prohibits gutter flooding, free flowing hoses and washing of streets, parking lots, driveways and sidewalks. Additionally, pools, spas, fountains, ponds must be equipped with a recirculating pump. Leaks must be repaired in a timely manner. No watering or irrigating noon to 6 p.m. seven days a week excluding drip. The district employs a full time conservation coordinator and a conservation specialist. At this time, the district resolutions do not address water softeners. The quality of water that is provided by district does not require the application of a water softener and is not deemed a point of contention or concern.

E. Comments

BMP 14: Residential ULFT Replacement Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	95	9
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	0	0
Total	95	9

6. Describe your agency's ULFT program for single-family residences.

Toilet rebate of \$75.00 per toilet. District will pick up the old toilet for disposal. There is a 100 percent inspection of all installed toilets. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. The district through RWA has developed contracts with Sacramento Regional County Sanitation District to receive funds for toilet replacement incentives up to 25 percent of each cost not to exceed \$50.00 per toilet thus increasing the maximum rebate up to a limit of \$125.00. SRCSD develop project brochures and SRCSD bill stuffer to 270,000 customers. This program has increased the rebates by 155 percent and 500 percent in the commercial sector (5 toilets). Unfortunately there comes a price of increased man hours, non-reimbursable costs for the program (\$1,500).

7. Describe your agency's ULFT program for multi-family residences.

Toilet rebate of \$75.00 per toilet. District will pick up the old toilet for disposal. There is a 100 percent inspection of all installed toilets. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. The district through RWA has developed contracts with Sacramento Regional County Sanitation District to receive

funds for toilet replacement incentives up to 25 percent of each cost not to exceed \$50.00 per toilet thus increasing the maximum rebate up to a limit of \$125.00. SRCSD develop project brochures and SRCSD bill stuffer to 270,000 customers. This program has increased the rebates by 155 percent and 500 percent in the commercial sector (5 toilets). Unfortunately there comes a price of increased man hours, non-reimbursable costs for the program (\$1,500).

8. Is a toilet retrofit on resale ordinance in effect for your service area? no

9. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	8300	8500
2. Actual Expenditures	8153.68	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

The budgeted expenditures are identified as strictly for the toilet to be replaced. The component for web site modifications, meetings, invoicing, new application design, processing of paper work, phone calls for new program outreach response and issuance of reimbursement checks is a direct charge and is accounted for in the salary of each employee. The labor cost is estimated at 300 man hours for all actions. This additional cost to the district's toilet rebate program including benefits may exceed \$8,900.00.

Rej

Water Supply & Reuse

Reporting Unit:
Fair Oaks Water District

Year:
2004

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
--------------------	------------------------	-------------

Total AF:

Accounts & Water Use

Reporting Unit Name:
Fair Oaks Water District

Submitted to
CUWCC
03/01/2005

Year:
2004

A. Service Area Population Information:

1. Total service area population 35766

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	12638	6100	7034	0
2. Multi-Family	36	883	0	0
3. Commercial	350	1103	0	0
4. Industrial	0	0	0	0
5. Institutional	12	175	0	0
6. Dedicated Irrigation	67	171	0	0
7. Recycled Water	0	0	0	0
8. Other	87	0	0	0
9. Unaccounted	NA	0	NA	5722
Total	13190	8432	7034	5722
		Metered		Unmetered

packets that included evaluation results and water savings recommendations?

12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? yes yes

a. If yes, in what form are surveys tracked? None

b. Describe how your agency tracks this information.

Information is entered into a database ACCELA. The data fields are work order tracked, action sorted and address driven. There are categories and templates that are drawn upon for conservation actions in relation to BMPs.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2500	2600
2. Actual Expenditures	1225.34	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The only component of Exhibit One (1) that the district is not performing is the directly contact via letter (100% via the district newsletter twice a year) and is not performing any telephone contact at all either in the family residential customers arena or multi-family residential customers arena for each reporting period. The district also participated in support with Advertise in seven newspapers advocating customers to contact local water suppliers for irrigation assistance and water reviews. Two weeks paid participation in Sacramento River Watershed Campaign on News10 TV advocating zero landscape runoff and contact local water suppliers for irrigation assistance. The Regional Water Authority in conjunction with local water suppliers operates and maintains the Fair Oaks CIMIS station to provide ET data through DWR internet system. In cooperation with San Juan Water District operate telephone Hot Line with current ET data from the Fair Oaks CIMIS Station. Telephone number is 916/725-1713 for DWR network and Sacramento area landscapers; spring radio advertisements provide traffic spots advertising for three weeks on KXJZ and KXPR reminding homeowners and landscape managers to Water with the Weather by turning off sprinklers during rainy season. Provide UC Coop Extension Fair Oaks Horticultural Center and WEL garden with Rules of Thumb for Water Wise Gardening and Watering Tips for Beautiful Gardens supporting several special sessions; Promote efficient landscape irrigation with bill stuffer designed & printed by SMUD for water suppliers and SMUD mailing.

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 05/11/1998, your Agency STRATEGY DUE DATE is: | 05/10/2000 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 11/1/1989 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 11/1/1989 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	12683	2375
2. Number of surveys completed:	28	304

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|---|-----|------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | no | no |
| 9. Measure total irrigable area (Recommended but not required for surveys) | no | no |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | None |
| 11. Were customers provided with information | yes | yes |

BMP 02: Residential Plumbing Retrofit

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
 - a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? no
3. Estimated percent of single-family households with low-flow showerheads: 26%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? no
5. Estimated percent of multi-family households with low-flow showerheads: 70%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
 - a. If YES, when did your agency begin implementing this strategy? 1/31/1992
 - b. Describe your targeting/ marketing strategy.

The District utilizes its newsletter when published to provide the information that the district offers the internal audits. There are notes on customer bills, bill stuffers, brochures staged at events not limited to Home & Garden / Landscape venues, GET W.E.T., Salmon Festival, Harvest Festival and local events that the district attends, including participation in the Regional Water Authority*s (Regional Water Efficiency Program Advisory Committee; RWEFAC). Conservation Coordinator goes to multi-family complexes and approaches managers with the audits. District also includes the audits as an integral part of its metering program. Customers, volunteers or otherwise, that the District plans to meter receive notification of the District*s intentions. As well as offers via direct mailing to customers who are receiving installation of meters. Direct delivery by hand to selected areas.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads	351	343

distributed:

3. Number of toilet-displacement devices distributed:	351	343
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	518	655
6. Does your agency track the distribution and cost of low-flow devices?		yes
a. If YES, in what format are low-flow devices tracked?		Database
b. If yes, describe your tracking and distribution system :		

Numbers are tracked only in an active knowledge. At this time the known SF accounts and MF units are tracked in the "ACCELA" database. The specifics for particular items used is a standard or a known given.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	9300	9600
2. Actual Expenditures	8728.12	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The only component of Exhibit One (1) that the district is not performing is the directly contact via letter (100% via the district newsletter twice a year when published) and is not performing any telephone contact at all either in the family residential customers arena or multi-family residential customers arena for each reporting period.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF)
 - b. Determine other system verifiable uses (AF)
 - c. Determine total supply into the system (AF)
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? no
 - a. If yes, describe the leak detection program:

B. Survey Data

1. Total number of miles of distribution system line. 183
2. Number of miles of distribution system line surveyed. 1.7

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The district is not fully metered at this point in time. The district is aggressively replacing currently known and newly identified steel piping

that is in service within the districts boundaries and or investigating alternate methods to retrofit steel transmission lines. The districts master plan is being updated to identify all steel piping and questionable piping that has had a history of seepage problems. The district is in a positive upgrade of service areas. This year the district installed 1,600 feet of new service line and abandoning 1,600 feet of old service line.

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Does your agency require meters for all new connections and bill by volume-of-use? no
2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? no
- a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed?
- b. Describe the program:

The district beginning in 1986 began efforts to install water meters. These efforts have expanded over time to include: (1) metering new service connections, (2) metering service lines that are replaced due to deteriorating condition, (3) metering service lines tied to water mains that are replaced, (4) metering any customer requesting a meter, and (5) metering nearly all commercial and multi-family customers. All known commercial and multi-family connections were metered by the end of calendar year 2001. Meters installed for commercial and multi-family applications are billed on a volume-by-use. The district does not require to bill by volume-of-use for residential meters installed but instead offers a bill-by-volume after the meter has meter reads consecutively for one year.

3. Number of previously unmetered accounts fitted with meters during report year. 1007

B. Feasibility Study

1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? no
- a. If YES, when was the feasibility study conducted? (mm/dd/yy)
- b. Describe the feasibility study:

2. Number of CII accounts with mixed-use meters. 0
3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. 0

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	1356800	1550900
2. Actual Expenditures	980240	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Water Use Budgets

- | | |
|--|----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 67 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|----------|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 3/3/1998 |
| b. Description of marketing / targeting strategy: | |

The District utilizes it's newsletter when published to provide the information that the district offers the landscape audits. There are notes on customer bills, bill stuffers, brochures staged at events not limited to Home & Garden / Landscape venues, GET W.E.T., Salmon Festival Harvest Festival and local events that the district attends, including participation in the Regional Water Authority (Regional Water Efficiency Program Advisory Committee (RWEFAC). District also includes the audits as an integral part of its metering program. Customers, volunteers or otherwise, that the District plans to meter receive notification of the District intentions. As a member of the RWA, . The district also participated in support with Advertise in seven newspapers advocating customers to contact local water suppliers for irrigation assistance and water reviews. Two weeks paid participation in Sacramento River Watershed Campaign on News10 TV advocating zero landscape runoff and contact local water suppliers for irrigation assistance. The Regional Water Authority in conjunction with local water suppliers operates and maintains the Fair Oaks CIMIS station to provide ET data through DWR internet system. In cooperation with San Juan Water District operate telephone Hot Line with current ET data from the Fair Oaks CIMIS Station. Telephone number is 916/725-1713 for DWR network and Sacramento area landscapers; spring radio advertisements provide traffic spots advertising for three weeks on KXJZ and KXPR reminding homeowners and landscape managers to Water with the Weather by turning off sprinklers during rainy season. Provide UC Coop Extension Fair Oaks Horticultural Center and WEL garden with Rules of Thumb for Water Wise Gardening and Watering Tips for Beautiful Gardens

supporting several special sessions; Promote efficient landscape irrigation with bill stuffer designed & printed by SMUD for water suppliers and SMUD mailing., participating in a submittal for a successful application for 2003 Prop 13 grant resulting in \$975,000 for landscape irrigation improvements with RWA in conjunction to implement 2002 Prop 13 grant of \$150,000 for landscape irrigation improvements in applying in conjunction with \$1.1 million grant from SWRCB & CAL FED for landscape runoff reduction program.

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 120 |
| 3. Number of Surveys Completed. | 1 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | no |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | no |
| e. Measure Total Irrigable Area | no |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | no |
| a. If YES, describe below: | |

C. Other BMP 5 Actions

- | | |
|---|-----|
| 1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. | no |
| Does your agency provide mixed-use accounts with landscape budgets? | |
| 2. Number of CII mixed-use accounts with landscape budgets. | 0 |
| 3. Do you offer landscape irrigation training? | yes |
| 4. Does your agency offer financial incentives to improve landscape water use efficiency? | no |

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0
b. Loans	0	0	0
c. Grants	0	0	0
5. Do you provide landscape water use efficiency information to new customers and customers changing services?			yes

a. If YES, describe below:

The district has a new homeowner packet of material that addresses reading your meter, irrigation services provided and toilet dye strips. With in this packet is information and services identifying audits, scheduling controllers, minor repairs, recommendations, change out and installation of customer supplied irrigation controller, over watering, when to decrease watering in the fall, Rules of Thumb for Gardening and specific drought tolerant plants brochure and a list of websites that are passed out to customers that are addressing the issue of changing or modifying their landscape.

- 6. Do you have irrigated landscaping at your facilities? yes
 - a. If yes, is it water-efficient? yes
 - b. If yes, does it have dedicated irrigation metering? no
- 7. Do you provide customer notices at the start of the irrigation season? yes
- 8. Do you provide customer notices at the end of the irrigation season? yes

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	46500	31600
2. Actual Expenditures	0	

E. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Accounts with dedicated irrigation meters have been identified but at this time the ETo-based water use as a water budget are not being applied since these accounts are on a flat rate billing structure thus, eliminating the need to provide a budget accounting during each billing cycle. All commercial/Industrial/Institutional accounts are metered and there are no Mixed-Use Meters. The district offers the following measures: Landscape water use analysis/surveys, voluntary water use budgets, installation of dedicated landscape meters; training in landscape maintenance, irrigation system maintenance, and irrigation system design, and financial incentives will be offered in the year 2005 to improve irrigation system efficiency with the purchasing of and/or installation of water efficient irrigation systems and follow-up water use analyses/surveys consisting of a letter, phone call, or site visit where appropriate. Survey elements will include: measurement of landscape area; measurement of total irrigable area; irrigation system check, and distribution uniformity analysis; review or develop irrigation schedules, as appropriate; provision of a customer survey report and information packet with the tracking of survey offers, acceptance, findings, devices installed, savings potential, and survey cost. The district has installed climate appropriate water efficient landscaping at water agency facilities (well sites, main office and tank site) and has considered dual metering and found not to be appropriate at this time. The district newsletter that is published twice

a year and distributed to all customer accounts (May and November) identifies the start of the irrigation season requesting that they check their irrigation systems and make repairs as necessary as well at the end of the irrigation season advising customers to adjust their irrigation system timers and irrigation schedules

F. Comments

Due to state financial and political changes, the grant money has not been forthcoming as expected. The projection is that the money will become available in the first part of 2005.

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? yes

a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is.

The information provide that follows may not be factual as stated due to the dynamic time sensitive programs that are offered concerning washing machine rebates. Sacramento Utilities District (SMUD) - You can receive a \$75 or \$125 rebate when you purchase an energy-efficient clothes washer. The overall efficiency of the clothes washer will determine the amount of rebate. PACIFIC GAS & ELECTRIC - Receive a \$75 rebate by purchasing a qualified ENERGY STAR* appliance. An ENERGY STAR* labeled clothes washer can save you up to \$650 in energy and water costs over the life of the machine, and their gentler washing cycles are kinder to fabrics, helping them look newer, longer. To qualify, the unit must be installed with a water-heating source using natural gas or electricity distributed by Pacific Gas and Electric Company

2. Does your agency offer rebates for high-efficiency washers? no
 3. What is the level of the rebate? 0
 4. Number of rebates awarded. 0

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	1000
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 07: Public Information Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The district utilizes and maintains an ongoing public information programs promoting water conservation and conservation related benefits. The district is a member of the Regional Water Authority (RWA) and is a board member of the RWA; participates in the Regional Water Efficiency Program Advisory Committee (RWEFAC) that is affiliated with the RWA that promotes Advertise in seven newspapers advising customers to contact local water suppliers for irrigation assistance. Two weeks paid participation in Sacramento River Watershed Campaign on News10 TV advocating zero landscape runoff and contact local water suppliers for irrigation assistance. Radio broadcast paid advertising for three weeks on KXJZ and KXPR reminding homeowners and landscape managers to Water with the Weather by turning off sprinklers during rainy season. In partnership with retail nursery stores, provide irrigation education materials ("Rules of Thumb for Water Wise Gardens") to customers. Advertise in seven newspapers advocating customers to contact local water suppliers for irrigation assistance. Supported local agency events by providing exhibit materials, RWA booth at Salmon Festival, maintain ET telephone line with CIMIS information, in cooperation with San Juan Water District operate telephone Hot Line with current ET data, provide ETo average monthly water use chart on RWA web site, "Rules of Thumb for Water Wise Gardens" contains average monthly data, RWA website provides many water efficiency materials including: water supplier conservation coordinator contact information, landscape irrigation guidance, toilet replacement program, commercial and industrial water use information, and RWA publications. Provide cooperative efforts with UC Cooperative Extension at Fair Oaks Horticultural Garden. Cosponsor Irrigation Association workshops, Cosponsor Eco-Landscape Symposium, Cooperative efforts with SMUD and SRCSD, Inserts developed and mailed by Sacramento Regional County Sanitation District advocate toilet replacement program. Inserts developed and printed by SMUD for water utility mailing promote efficient irrigation practices and efficient appliances. Provide cooperative efforts with UC Cooperative Extension at Fair Oaks Horticultural Garden. The district also speaks at local club gatherings in discussing meter implementation and water conservation.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
	yes	4

a. Paid Advertising		
b. Public Service Announcement	yes	6
c. Bill Inserts / Newsletters / Brochures	yes	8
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	4
f. Special Events, Media Events	yes	4
g. Speaker's Bureau	yes	1
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	117900	135000
2. Actual Expenditures	48611	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 08: School Education ProgramsReporting Unit:
Fair Oaks Water DistrictBMP Form Status:
100% CompleteYear:
2004**A. Implementation**1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	0	0	0
Grades 4th-6th	yes	0	0	0
Grades 7th-8th	no	0	0	0
High School	no	0	0	0

3. Did your Agency's materials meet state education framework requirements? yes4. When did your Agency begin implementing this program? 6/1/1993**B. School Education Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	11100	11500
2. Actual Expenditures	8400	

C. "At Least As Effective As"1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

In presentation to Resource Conservation managers of school districts, RWA described various grant projects and services available to schools from local water suppliers. Provided schools with lists of conservation coordinator contact information. Continue Newspapers in Education program with Sacramento Bee reaching 5,600 students and including major newspaper advertisements. Maintain water education elements in RWA website. Newspaper Education materials Sacramento County Partnership to co-fund joint water efficiency and stormwater management presentations to 15,000 students provided to schools free of charge. The district provides educational materials to the schools

grades 4-6 in support of a Water Conservation Poster Contest. Materials are distributed to approximately 2500 students and corresponding teachers. The district has several classroom presentations that identify urban, agricultural and environmental issues and conditions in the local watershed. Included in the poster contest is a calendar that is published in the amount of 10,000 copies that are distributed to the schools, students, customers and local stores. The ceremony awards for the poster contest were held at an assembly where the estimated students present were 600 including faculty and parents. The Splash Festival the district interacted with several schools over a six hour period and interacted with 280 children.

D. Comments

BMP 09: Conservation Programs for CII Accounts

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- | | |
|--|----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | no |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | no |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | no |

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|-----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | yes |
|---|-----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	350	0	12
b. Number of New Surveys Completed	0	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0

CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	yes	no	yes
f. Evaluation of all water-using apparatus and processes	yes	no	yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0

i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

- | | |
|---|----|
| 5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option? | no |
| 6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings? | no |
| 7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. | |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. | |

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|-----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | yes |
|---|-----|

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district offers all of its conservation programs through the district newsletter when published, bill inserts, billing notices, website and events. The commercial customers went 100% metered billing in the year 2002-2004 and there were zero contacts to the district for assistance in conservation measures. Speculation is that the commercial customers save a significant amount of money when going from a flat rate to a commodity and services billing.. RFP issued to solicit consultant services for trained CII Auditors . RWA water efficiency program is a cooperative effort with 20 water suppliers. RWA provided water efficiency training to businesses at SMUD. RWA has free copies of DWR "Water Efficiency Guide to Business Managers and Facility Engineers" available for distribution. RFP issued to prepare brief water efficiency brochures for specific types of businesses.RWA twice provided local water suppliers with list of BMP 9 consultants updated by CUWCC. RWA completed a database development funded by DWR and populated the database with Dunn and Bradstreet data to assist with Water Supplier identification of CII customers. RWA used an RFP process to solicit for consultant services for CII Audits. Consultant to be selected in early 2005. Toilet replacement project offers ULFTs rebates to business customers.

D. Comments

BMP 09a: CII ULFT Water Savings

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

1. Did your agency implement a CII ULFT replacement program in the reporting year? No
 If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program?
 Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

None apply, the district applies to all customers through the newsletter when published, bill message, events and door to door canvassing the same as the Multi-family and Single-family program.

2. How does your agency advertise this program? Check all that apply.

Bill insert
 Bill message
 Newsletter
 Web page

Trade shows and events

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

Customers utilize the district website, newsletters when published, events, billing notices and by word of mouth. There appears to be no one advantage to anyone of the items checked.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) no

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No

3. What is the total number of customer accounts participating in the program during the last year ? 0

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	0	0	0	0
b. Retail /	0	0	0	0

Wholesale				
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Govern- ment	0	0	0	0
i. Churches	8	0	0	0
j. Other	2	0	0	0

5. Program design.

Rebate or voucher

6. Does your agency use outside services to implement this program? No

a. If yes, check all that apply.

7. Participant tracking and follow-up.

Site Visit

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

- a. Disruption to business 1
- b. Inadequate payback 5
- c. Inadequate ULFT performance 3
- d. Lack of funding 5
- e. American's with Disabilities Act 3
- f. Permitting 1
- g. Other. Please describe in B. 9.

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

The CII toilet program is approached the same as the single family and multi-family toilet replacement program and has been on going since 1993.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor	0	0
b. Materials	0	0
c. Marketing & Advertising	0	0
d. Administration & Overhead	0	0
e. Outside Services	0	0
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	0
b. State agency contribution	0
c. Federal agency contribution	0
d. Other contribution	713.73
e. Total	713.73

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:
Fair Oaks Water District

BMP Form
 Status:
100% Complete

Year:
2004

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Non-volumetric Flat Rate
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$47664
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$6070889

2. Commercial

a. Water Rate Structure	Uniform Seasonal
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$229300
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$751661

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform Seasonal
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$24324
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$61738

5. Irrigation

a. Water Rate Structure	Non-volumetric Flat Rate
-------------------------	--------------------------

- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$31691

6. Other

- a. Water Rate Structure Uniform Seasonal
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$348100

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	7035110	7793500
2. Actual Expenditures	7060357	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

The district is in the infancy of metered rates (commercial, institutional and residential volunteers). With the district approaching 48 percent metered, the district at this time is billing structured that there is a mixture of flat rate residential, flat rate irrigation, commodity rates for commercial and service charges for commercial. The institutional (schools) are on a metered rate and thus their consumption is charged as well as the service charges. The district has recently instituted a program where those who are of residential flat rate, are now metered, and wish to convert to a metered rate may do so. The actions of the district meet the spirit of the intent of this BMP.

D. Comments

BMP 12: Conservation Coordinator

Reporting Unit:
**Fair Oaks Water
 District**

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name:
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Michael Cobb
 - c. Coordinator's Title Water Conservation Coordinator
 - d. Coordinator's Experience and Number of Years Experience in the water industry 1999 to present (6years), Holds certificates as follows: Certified Landscape Irrigation Auditor (CLIA), Water Conservation Practitioner Level 1, Certified Golf Irrigation Auditor (CGIA), Distribution Grade 1, Treatment Operator grade 1. Has for the past four years held the position Regional Water Authority's (RWA) Chair for the Regional Water Authority Program Advisory Committee (RWE PAC). Before this position, the coordinator worked for the federal government full time as a Health Physicist (nuclear facilities).
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/1/1989
6. Number of conservation staff, including Conservation Coordinator. 2

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted	139300	127600

Expenditures

2. Actual Expenditures 66070

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 13: Water Waste Prohibition

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? no

a. If YES, describe the ordinance:

2. Is a copy of the most current ordinance(s) on file with CUWCC? no

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

a. Gutter flooding yes

b. Single-pass cooling systems for new connections no

c. Non-recirculating systems in all new conveyor or car wash systems no

d. Non-recirculating systems in all new commercial laundry systems no

e. Non-recirculating systems in all new decorative fountains yes

f. Other, please name no

2. Describe measures that prohibit water uses listed above:

Per district's board of director's approval, Resolution 0109, water will be used in a beneficial manner; all non-beneficial and wasteful use of water is prohibited. Water use shall be confined to the customer's property and shall not be allowed to run-off to adjoining property, roadside ditch, or gutter. Automatic shut-off device on garden hoses or filling apparatus shall be used. Free-flowing hoses for water application (i.e. vehicle and equipment washing, ponds, irrigating, evaporative coolers, and livestock watering troughs) is prohibited. Pools, spas, fountains and ponds shall be equipped with recirculating pumps and shall be constructed to be leak-proof. Washing or hydraulic sweeping of streets, parking lots, driveways, sidewalks, patios, tennis courts or buildings is allowed only for health or sanitary considerations. Automated systems may operate daily from midnight to 10:00 am and manual systems may operate daily from 6:00 pm to noon.

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

- a. Allow the sale of more efficient, demand-initiated regenerating DIR models. no
- b. Develop minimum appliance efficiency standards that:
 - i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. no
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. no
- c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. no

4. Does your agency include water softener checks in home water audit programs? no

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? no

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	24000	6000
2. Actual Expenditures	15000	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

California Water Code Section 10631, (e)(4), states that mandatory provisions to reduce water use must be provided which include prohibitions against specific wasteful practices, such as gutter flooding. The districts five-stage water conservation plan contains mandatory water use provisions in every stage. The district reviews and updates its water conservation ordinance annually. This ordinance prohibits gutter flooding, free flowing hoses and washing of streets, parking lots, driveways and sidewalks. Additionally, pools, spas, fountains, ponds must be equipped with a recirculating pump. Leaks must be repaired in a timely manner. No watering or irrigating noon to 6 p.m. seven days a week excluding drip. The district employs a full time conservation coordinator and a conservation specialist. At this time, the districts resolutions do not address water softeners. The quality of water that is provided by district does not require the application of a water softener and is not deemed a point of contention or concern.

E. Comments

BMP 14: Residential ULFT Replacement Programs

Reporting Unit: **Fair Oaks Water District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	80	8
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	0	0
Total	80	8

6. Describe your agency's ULFT program for single-family residences.

Toilet rebate of \$75.00 per toilet. District will pick up the old toilet for disposal. There is a 100 percent inspection of all installed toilets. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. The district through RWA has developed contracts with Sacramento Regional County Sanitation District to receive funds for toilet replacement incentives up to 25 percent of each cost not to exceed \$50.00 per toilet on a pro-rated basis thus increasing the maximum rebate up to a limit of \$125.00. SRCSD develop project brochures and SRCSD bill stuffer to 270,000 customers. This program has increased the rebates by 200 percent in the commercial sector (10 toilets). Unfortunately there comes a price of increased man hours, non-reimbursable costs for the grant program buy in (\$1,800).

7. Describe your agency's ULFT program for multi-family residences.

Toilet rebate of \$75.00 per toilet. District will pick up the old toilet for disposal. There is a 100 percent inspection of all installed toilets. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. Toilets are flushed for verification of working and inspection of supply line to ensure there is no leakage. Receipts are required to be presented upon inspection. The district through RWA has developed contracts with Sacramento Regional County Sanitation District to receive

funds for toilet replacement incentives up to 25 percent of each cost not to exceed \$50.00 per toilet on a pro-rated basis thus increasing the maximum rebate up to a limit of \$125.00. SRCSD develop project brochures and SRCSD bill stuffer to 270,000 customers. This program has increased the rebates by 200 percent in the commercial sector (10 toilets). Unfortunately there comes a price of increased man hours, non-reimbursable costs for the grant program buy in (\$1,800).

8. Is a toilet retrofit on resale ordinance in effect for your service area? no

9. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	8500	8800
2. Actual Expenditures	8564.62	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

The budgeted expenditures are identified as strictly for the toilet to be replaced. The component for web site modifications, meetings, invoicing, new application design, processing of paper work, phone calls for new program outreach response and issuance of reimbursement checks is a direct charge and is accounted for in the salary of each employee. The labor cost is estimated at 250 man hours for all actions. This additional cost to the district's toilet rebate program including benefits may exceed \$7,840.

BMP 01 Coverage: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 1 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

A Reporting Unit (RU) must meet three conditions to satisfy strict compliance for BMP 1.

Condition 1: Adopt survey targeting and marketing strategy on time

Condition 2: Offer surveys to 20% of SF accounts and 20% of MF units during report period

Condition 3: Be on track to survey 15% of SF accounts and 15% of MF units within 10 years of implementation start date.

Test for Condition 1

Fair Oaks Water District to Implement Targeting/Marketing Program by:	2000		
		<u>Single-Family</u>	<u>Multi-Family</u>
Year Fair Oaks Water District Reported Implementing Targeting/Marketing Program:	1998		1998
Fair Oaks Water District Met Targeting/Marketing Coverage Requirement:	YES		YES

Test for Condition 2

			<u>Single-Family</u>	<u>Multi-Family</u>
Survey Program to Start by:	1999	Residential Survey Offers (%)	105.98%	454.11%
Reporting Period:	01-02	Survey Offers \geq 20%	YES	YES

Test for Condition 3

Completed Residential Surveys

	<u>Single Family</u>	<u>Multi-Family</u>
Total Completed Surveys 1999 - 2002:	69	326
Past Credit for Surveys Completed Prior to 1999 (Implementation of Reporting Database):	257	
Total + Credit	326	326
Residential Accounts in Base Year	11,967	523
Fair Oaks Water District Survey Coverage as % of Base Year Residential Accounts	2.72%	62.33%
Coverage Requirement by Year 4 of Implementation per Exhibit 1	3.60%	3.60%
Fair Oaks Water District on Schedule to Meet 10- Year Coverage Requirement	NO	YES

BMP 1 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 02 Coverage: Residential Plumbing Retrofit

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

Warning: The BMP 2 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one of three conditions to satisfy strict compliance for BMP 2.

Condition 1: The agency has demonstrated that 75% of SF accounts and 75% of MF units constructed prior to 1992 are fitted with low-flow showerheads.

Condition 2: An enforceable ordinance requiring the replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts is in place for the agency's service area.

Condition 3: The agency has distributed or directly installed low-flow showerheads and other low-flow plumbing devices to not less than 10% of single-family accounts and 10% of multi-family units constructed prior to 1992 during the reporting period.

Test for Condition 1

Report Year	Report Period	Single-Family		Multi-Family	
		Reported Saturation	Saturation > 75%?	Reported Saturation	Saturation > 75%?
1999	99-00		NO		NO
2000	99-00				
2001	01-02				
2002	01-02	11.00%	NO	30.00%	NO
2003	03-04	13.00%	NO	24.00%	NO
2004	03-04	26.00%	NO	70.00%	NO

Test for Condition 2

Report Year	Report Period	Fair Oaks Water District has ordinance requiring showerhead retrofit?
1999	99-00	NO
2000	99-00	
2001	01-02	
2002	01-02	NO
2003	03-04	NO
2004	03-04	NO

Test for Condition 3

Reporting Period: 01-02

<u>1992 SF Accounts</u>	<u>Num. Showerheads Distributed to SF Accounts</u>	<u>Single-Family Coverage Ratio</u>	<u>SF Coverage Ratio > 10%</u>
11,820	75	0.6%	NO
<u>1992 MF Accounts</u>	<u>Num. Showerheads Distributed to MF Accounts</u>	<u>Multi-Family Coverage Ratio</u>	<u>MF Coverage Ratio > 10%</u>
519	450	86.7%	YES

BMP 2 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 3 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one of two conditions to be in compliance with BMP 3:

Condition 1: Perform a prescreening audit. If the result is equal to or greater than 0.9 nothing more needs be done.

Condition 2: Perform a prescreening audit. If the result is less than 0.9, perform a full audit in accordance with AWWA's Manual of Water Supply Practices, Water Audits, and Leak Detection.

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO		Yes	NO
2000	99-00				
2001	01-02				
2002	01-02	NO			NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 04 Coverage: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit:

Fair Oaks Water District

Reporting Period:

01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 4 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must be on track to retrofit 100% of its unmetered accounts within 10 years to be in compliance with BMP 4.

Test for Compliance

Total Meter Retrofits Reported through 2002	395
No. of Unmetered Accounts in Base Year	9,605
Meter Retrofit Coverage as % of Base Year Unmetered Accounts	4.1%
Coverage Requirement by Year 3 of Implementation per Exhibit 1	16.5%
RU on Schedule to meet 10 Year Coverage Requirement	NO

BMP 4 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 05 Coverage: Large Landscape Conservation Programs and Incentives

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 5 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet three conditions to comply with BMP 5.

Condition 1: Develop water budgets for 90% of its dedicated landscape meter accounts within four years of the date implementation is to start.

Condition 2: (a) Offer landscape surveys to at least 20% of its CII accounts with mixed use meters each report cycle and be on track to survey at least 15% of its CII accounts with mixed use meters within 10 years of the date implementation is to start OR (b) Implement a dedicated landscape meter retrofit program for CII accounts with mixed use meters or assign landscape budgets to mixed use meters.

Condition 3: Implement and maintain customer incentive program(s) for irrigation equipment retrofits.

Test for Condition 1

Year	Report Period	BMP 5 Implementation Year	No. of Irrigation Meter Accounts	No. of Irrigation Accounts with Budgets	Budget Coverage Ratio	90% Coverage Met by Year 4
1999	99-00					NA
2000	99-00	1				NA
2001	01-02	2				NA
2002	01-02	3	67			NA
2003	03-04	4	67			No
2004	03-04	5	67			No

Test for Condition 2a (survey offers)

Select Reporting Period:	01-02
Large Landscape Survey Offers as % of Mixed Use Meter CII Accounts	3.3%
Survey Offers Equal or Exceed 20% Coverage Requirement	NO

Test for Condition 2a (surveys completed)

Total Completed Landscape Surveys Reported through

Credit for Surveys Completed Prior to Implementation of Reporting Database	229
Total + Credit	229
CII Accounts in Base Year	363
RU Survey Coverage as a % of Base Year CII Accounts	63.1%
Coverage Requirement by Year of Implementation per Exhibit 1	2.5%
RU on Schedule to Meet 10 Year Coverage Requirement	YES

Test for Condition 2b (mixed use budget or meter retrofit program)

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 5 Implementation Year</u>	<u>Agency has mix-use budget program</u>	<u>No. of mixed-use budgets</u>
1999	99-00			
2000	99-00	1		
2001	01-02	2		
2002	01-02	3	NO	
2003	03-04	4	NO	
2004	03-04	5	NO	

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 4 Implementation Year</u>	<u>No. of mixed use CII accounts</u>	<u>No. of mixed use CII accounts fitted with irrig. meters</u>
1999	99-00			
2000	99-00	1		
2001	01-02	2		
2002	01-02	3		
2003	03-04	4		
2004	03-04	5		

Test for Condition 3

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 5 Implementation Year</u>	<u>RU offers financial incentives?</u>	<u>No. of Loans</u>	<u>Total Amt. Loans</u>
1999	99-00				
2000	99-00	1			
2001	01-02	2			
2002	01-02	3	NO		
2003	03-04	4	NO		
2004	03-04	5	NO		

<u>Report Year</u>	<u>Report Period</u>	<u>No. of Grants</u>	<u>Total Amt. Grants</u>	<u>No. of rebates</u>	<u>Total Amt. Rebates</u>
1999	99-00				
2000	99-00				

2001	01-02
2002	01-02
2003	03-04
2004	03-04

BMP 5 COVERAGE STATUS SUMMARY:
Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

Warning: The BMP 6 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 6.

Condition 1: Offer a cost-effective financial incentive for high-efficiency washers if one or more energy service providers in service area offer financial incentives for high-efficiency washers.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 6 Implementation Year</u>	<u>Rebate Offered by ESP?</u>	<u>Rebate Offered by RU?</u>	<u>Rebate Amount</u>
1999	99-00				
2000	99-00	1			
2001	01-02	2			
2002	01-02	3	YES	NO	
2003	03-04	4	YES	NO	
2004	03-04	5	YES	NO	

<u>Year</u>	<u>Report Period</u>	<u>BMP 6 Implementation Year</u>	<u>No. Rebates Awarded</u>	<u>Coverage Met?</u>
1999	99-00			
2000	99-00	1		
2001	01-02	2		
2002	01-02	3		NO
2003	03-04	4		NO
2004	03-04	5		NO

BMP 6 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

Warning: The BMP 7 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 7.

Condition 1: Implement and maintain a public information program consistent with BMP 7's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 7 Implementation Year</u>	<u>RU Has Public Information Program?</u>
1999	99-00	1	
2000	99-00	2	
2001	01-02	3	
2002	01-02	4	YES
2003	03-04	5	YES
2004	03-04	6	YES

BMP 7 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 8 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 8.

Condition 1: Implement and maintain a school education program consistent with BMP 8's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 8 Implementation Year</u>	<u>RU Has School Education Program?</u>
1999	99-00	1	
2000	99-00	2	
2001	01-02	3	
2002	01-02	4	YES
2003	03-04	5	YES
2004	03-04	6	YES

BMP 8 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 09 Coverage: Conservation Programs for CII Accounts

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 9 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet three conditions to comply with BMP 9.

Condition 1: Agency has identified and ranked by use commercial, industrial, and institutional accounts.

Condition 2(a): Agency is on track to survey 10% of commercial accounts, 10% of industrial accounts, and 10% of institutional accounts within 10 years of date implementation to commence.

OR

Condition 2(b): Agency is on track to reduce CII water use by an amount equal to 10% of baseline use within 10 years of date implementation to commence.

OR

Condition 2(c): Agency is on track to meet the combined target as described in Exhibit 1 BMP 9 documentation.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 9 Implementation Year</u>	<u>Ranked Com. Use</u>	<u>Ranked Ind. Use</u>	<u>Ranked Inst. Use</u>
1999	99-00				
2000	99-00	1			
2001	01-02	2			
2002	01-02	3	NO	NO	NO
2003	03-04	4	NO	NO	NO
2004	03-04	5	NO	NO	NO

Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2002			
Credit for Surveys Completed Prior to Implementation of Reporting Databases	10		
Total + Credit	10		
CII Accounts in Base Year	317		46
RU Survey Coverage as % of Base Year CII Accounts	3.2%		

Coverage Requirement by Year 3 of Implementation per Exhibit 1	1.7%	1.7%	1.7%
RU on Schedule to Meet 10 Year Coverage Requirement	YES	NO	NO

Test for Condition 2a

<u>Year</u>	<u>Report Period</u>	<u>BMP 9 Implementation Year</u>	<u>Performance Target Savings (AF/yr)</u>	<u>Performance Target Savings Coverage</u>	<u>Performance Target Savings Coverage Requirement</u>	<u>Coverage Requirement Met</u>
1999	99-00					
2000	99-00	1			0.5%	NO
2001	01-02	2			1.0%	NO
2002	01-02	3			1.7%	NO
2003	03-04	4			2.4%	NO
2004	03-04	5			3.3%	NO

Test for Condition 2c

Total BMP 9 Surveys + Credit	10
BMP 9 Survey Coverage	2.8%
BMP 9 Performance Target Coverage	
BMP 9 Survey + Performance Target Coverage	2.8%
Combined Coverage Equals or Exceeds Coverage Requirement?	YES

BMP 9 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
Fair Oaks Water District

Reporting
Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 11 form is not 100% complete for one or more report years.
This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 11.

Agency shall maintain rate structure consistent with BMP 11's definition of conservation pricing. Implementation methods shall be at least as effective as eliminating non-conserving pricing and adopting conserving pricing. For signatories supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Signatories that supply water but not sewer service shall make good faith efforts to work with sewer agencies so that those sewer agencies adopt conservation pricing for sewer service.

a) Non-conserving pricing provides no incentives to customers to reduce use. Such pricing is characterized by one or more of the following components: rates in which the unit price decreases as the quantity used increases (declining block rates); rates that involve charging customers a fixed amount per billing cycle regardless of the quantity used; pricing in which the typical bill is determined by high fixed charges and low commodity charges.

b) Conservation pricing provides incentives to customers to reduce average or peak use, or both. Such pricing includes: rates designed to recover the cost of providing service; and billing for water and sewer service based on metered water use. Conservation pricing is also characterized by one or more of the following components: rates in which the unit rate is constant regardless of the quantity used (uniform rates) or increases as the quantity used increases (increasing block rates); seasonal rates or excess-use surcharges to reduce peak demands during summer months; rates based upon the longrun marginal cost or the cost of adding the next unit of capacity to the system.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>RU Employed Conserving WATER Rate Structure</u>	<u>RU Employed Conserving SEWER Rate Structure</u>	<u>RU Meets BMP 11 Coverage Requirement</u>
1999	99-00			
2000	99-00			
2001	01-02			
2002	01-02	NO	YES	NO
2003	03-04	NO	YES	NO
2004	03-04	NO	YES	NO

BMP 11 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 12 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

Agency shall staff and maintain the position of conservation coordinator and provide support staff as necessary.

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00		
2000	99-00		
2001	01-02		
2002	01-02	YES	2
2003	03-04	YES	2
2004	03-04	YES	2

BMP 12 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 13 Coverage: Water Waste Prohibition

Reporting Unit:
Fair Oaks Water District

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 13 form is not 100% complete for one or more report years.
This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 13.

Implementation methods shall be enacting and enforcing measures prohibiting gutter flooding, single pass cooling systems in new connections, non-recirculating systems in all new conveyer car wash and commercial laundry systems, and non-recycling decorative water fountains.

Test for Condition 1

Agency or service area prohibits:

<u>Year</u>	<u>Gutter Flooding</u>	<u>Single-Pass Cooling Systems</u>	<u>Single-Pass Car Wash</u>	<u>Single-Pass Laundry</u>	<u>Single-Pass Fountains</u>	<u>Other</u>	<u>RU has ordinance that meets coverage requirement</u>
1999							
2000							
2001							
2002	YES	NO	NO	NO	YES	NO	NO
2003	YES	NO	NO	NO	YES	NO	NO
2004	YES	NO	NO	NO	YES	NO	NO

BMP 13 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: **Fair Oaks Water District**

MOU Exhibit 1 Coverage Requirement

A Reporting Unit (RU) must meet one of the following conditions to be in compliance with BMP 14.

Condition 1: Retrofit-on-resale (ROR) ordinance in effect in service area.

Condition 2: Water savings from toilet replacement programs equal to 90% of Exhibit 6 coverage requirement.

An agency with an exemption for BMP 14 is not required to meet one of the above conditions. This report treats an agency with missing base year data required to compute the Exhibit 6 coverage requirement as out of compliance with BMP 14.

Status: Water supplier has not met one or more coverage requirements for this BMP. as of 2004

<u>Coverage Year</u>	<u>BMP 14 Data Submitted to CUWCC</u>	<u>Exemption Filed with CUWCC</u>	<u>ROR Ordinance in Effect</u>	<u>Exhibit 6 Coverage Req'mt (AF)</u>	<u>Toilet Replacement Program Water Savings* (AF)</u>
1999	NO	NO	NO	22.79	48.12
2000	NO	NO	NO	65.35	60.37
2001	NO	NO	NO	125.01	72.13
2002	YES	NO	NO	199.35	84.80
2003	YES	NO	NO	286.24	99.91
2004	YES	NO	NO	383.76	116.92
2005	NO	NO	NO	490.20	
2006	NO	NO	NO	604.06	
2007	NO	NO	NO	723.98	
2008	NO	NO	NO	848.76	

*NOTE: Program water savings listed are net of the plumbing code. Savings are cumulative (not annual) between 1991 and the given year. Residential ULFT count data from unsubmitted forms are NOT included in the calculation.

BMP 14 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

BMP 01 Coverage: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 1 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

A Reporting Unit (RU) must meet three conditions to satisfy strict compliance for BMP 1.

Condition 1: Adopt survey targeting and marketing strategy on time

Condition 2: Offer surveys to 20% of SF accounts and 20% of MF units during report period

Condition 3: Be on track to survey 15% of SF accounts and 15% of MF units within 10 years of implementation start date.

Test for Condition 1

Fair Oaks Water District to Implement Targeting/Marketing Program by:	2000		
		<u>Single-Family</u>	<u>Multi-Family</u>
Year Fair Oaks Water District Reported Implementing Targeting/Marketing Program:	1998		1998
Fair Oaks Water District Met Targeting/Marketing Coverage Requirement:	YES		YES

Test for Condition 2

			<u>Single-Family</u>	<u>Multi-Family</u>
Survey Program to Start by:	1999	Residential Survey Offers (%)	211.97%	908.22%
Reporting Period:	03-04	Survey Offers \geq 20%	YES	YES

Test for Condition 3

Completed Residential Surveys

	<u>Single Family</u>	<u>Multi-Family</u>
Total Completed Surveys 1999 - 2004:	206	866
Past Credit for Surveys Completed Prior to 1999 (Implementation of Reporting Database):	257	
Total + Credit	463	866
Residential Accounts in Base Year	11,967	523
Fair Oaks Water District Survey Coverage as % of Base Year Residential Accounts	3.87%	165.58%
Coverage Requirement by Year 6 of Implementation per Exhibit 1	6.30%	6.30%
Fair Oaks Water District on Schedule to Meet 10- Year Coverage Requirement	NO	YES

BMP 1 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 02 Coverage: Residential Plumbing Retrofit

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 2 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one of three conditions to satisfy strict compliance for BMP 2.

Condition 1: The agency has demonstrated that 75% of SF accounts and 75% of MF units constructed prior to 1992 are fitted with low-flow showerheads.

Condition 2: An enforceable ordinance requiring the replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts is in place for the agency's service area.

Condition 3: The agency has distributed or directly installed low-flow showerheads and other low-flow plumbing devices to not less than 10% of single-family accounts and 10% of multi-family units constructed prior to 1992 during the reporting period.

Test for Condition 1

Report Year	Report Period	Single-Family		Multi-Family	
		Reported Saturation	Saturation > 75%?	Reported Saturation	Saturation > 75%?
1999	99-00		NO		NO
2000	99-00				
2001	01-02				
2002	01-02	11.00%	NO	30.00%	NO
2003	03-04	13.00%	NO	24.00%	NO
2004	03-04	26.00%	NO	70.00%	NO

Test for Condition 2

Report Year	Report Period	Fair Oaks Water District has ordinance requiring showerhead retrofit?
1999	99-00	NO
2000	99-00	
2001	01-02	
2002	01-02	NO
2003	03-04	NO
2004	03-04	NO

Test for Condition 3

Reporting Period: 03-04

<u>1992 SF Accounts</u>	<u>Num. Showerheads Distributed to SF Accounts</u>	<u>Single-Family Coverage Ratio</u>	<u>SF Coverage Ratio > 10%</u>
11,820	581	4.9%	NO
<u>1992 MF Accounts</u>	<u>Num. Showerheads Distributed to MF Accounts</u>	<u>Multi-Family Coverage Ratio</u>	<u>MF Coverage Ratio > 10%</u>
519	702	135.3%	YES

BMP 2 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 3 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one of two conditions to be in compliance with BMP 3:

Condition 1: Perform a prescreening audit. If the result is equal to or greater than 0.9 nothing more needs be done.

Condition 2: Perform a prescreening audit. If the result is less than 0.9, perform a full audit in accordance with AWWA's Manual of Water Supply Practices, Water Audits, and Leak Detection.

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO		Yes	NO
2000	99-00				
2001	01-02				
2002	01-02	NO			NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 04 Coverage: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

Warning: The BMP 4 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must be on track to retrofit 100% of its unmetered accounts within 10 years to be in compliance with BMP 4.

Test for Compliance

Total Meter Retrofits Reported through 2004	1,927
No. of Unmetered Accounts in Base Year	9,605
Meter Retrofit Coverage as % of Base Year Unmetered Accounts	20.1%
Coverage Requirement by Year 5 of Implementation per Exhibit 1	32.5%
RU on Schedule to meet 10 Year Coverage Requirement	NO

BMP 4 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 05 Coverage: Large Landscape Conservation Programs and Incentives

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 5 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet three conditions to comply with BMP 5.

Condition 1: Develop water budgets for 90% of its dedicated landscape meter accounts within four years of the date implementation is to start.

Condition 2: (a) Offer landscape surveys to at least 20% of its CII accounts with mixed use meters each report cycle and be on track to survey at least 15% of its CII accounts with mixed use meters within 10 years of the date implementation is to start OR (b) Implement a dedicated landscape meter retrofit program for CII accounts with mixed use meters or assign landscape budgets to mixed use meters.

Condition 3: Implement and maintain customer incentive program(s) for irrigation equipment retrofits.

Test for Condition 1

Year	Report Period	BMP 5 Implementation Year	No. of Irrigation Meter Accounts	No. of Irrigation Accounts with Budgets	Budget Coverage Ratio	90% Coverage Met by Year 4
1999	99-00					NA
2000	99-00	1				NA
2001	01-02	2				NA
2002	01-02	3	67			NA
2003	03-04	4	67			No
2004	03-04	5	67			No

Test for Condition 2a (survey offers)

Select Reporting Period:	03-04
Large Landscape Survey Offers as % of Mixed Use Meter CII Accounts	33.6%
Survey Offers Equal or Exceed 20% Coverage Requirement	YES

Test for Condition 2a (surveys completed)

Total Completed Landscape Surveys Reported through 15

Credit for Surveys Completed Prior to Implementation of Reporting Database	229
Total + Credit	244
CII Accounts in Base Year	363
RU Survey Coverage as a % of Base Year CII Accounts	67.2%
Coverage Requirement by Year of Implementation per Exhibit 1	4.9%
RU on Schedule to Meet 10 Year Coverage Requirement	YES

Test for Condition 2b (mixed use budget or meter retrofit program)

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 5 Implementation Year</u>	<u>Agency has mix-use budget program</u>	<u>No. of mixed-use budgets</u>
1999	99-00			
2000	99-00	1		
2001	01-02	2		
2002	01-02	3	NO	
2003	03-04	4	NO	
2004	03-04	5	NO	

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 4 Implementation Year</u>	<u>No. of mixed use CII accounts</u>	<u>No. of mixed use CII accounts fitted with irrig. meters</u>
1999	99-00			
2000	99-00	1		
2001	01-02	2		
2002	01-02	3		
2003	03-04	4		
2004	03-04	5		

Test for Condition 3

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 5 Implementation Year</u>	<u>RU offers financial incentives?</u>	<u>No. of Loans</u>	<u>Total Amt. Loans</u>
1999	99-00				
2000	99-00	1			
2001	01-02	2			
2002	01-02	3	NO		
2003	03-04	4	NO		
2004	03-04	5	NO		

<u>Report Year</u>	<u>Report Period</u>	<u>No. of Grants</u>	<u>Total Amt. Grants</u>	<u>No. of rebates</u>	<u>Total Amt. Rebates</u>
1999	99-00				
2000	99-00				

2001	01-02
2002	01-02
2003	03-04
2004	03-04

BMP 5 COVERAGE STATUS SUMMARY:
Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

Warning: The BMP 6 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 6.

Condition 1: Offer a cost-effective financial incentive for high-efficiency washers if one or more energy service providers in service area offer financial incentives for high-efficiency washers.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 6 Implementation Year</u>	<u>Rebate Offered by ESP?</u>	<u>Rebate Offered by RU?</u>	<u>Rebate Amount</u>
1999	99-00				
2000	99-00	1			
2001	01-02	2			
2002	01-02	3	YES	NO	
2003	03-04	4	YES	NO	
2004	03-04	5	YES	NO	

<u>Year</u>	<u>Report Period</u>	<u>BMP 6 Implementation Year</u>	<u>No. Rebates Awarded</u>	<u>Coverage Met?</u>
1999	99-00			
2000	99-00	1		
2001	01-02	2		
2002	01-02	3		NO
2003	03-04	4		NO
2004	03-04	5		NO

BMP 6 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 7 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 7.

Condition 1: Implement and maintain a public information program consistent with BMP 7's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 7 Implementation Year</u>	<u>RU Has Public Information Program?</u>
1999	99-00	1	
2000	99-00	2	
2001	01-02	3	
2002	01-02	4	YES
2003	03-04	5	YES
2004	03-04	6	YES

BMP 7 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 8 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 8.

Condition 1: Implement and maintain a school education program consistent with BMP 8's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 8 Implementation Year</u>	<u>RU Has School Education Program?</u>
1999	99-00	1	
2000	99-00	2	
2001	01-02	3	
2002	01-02	4	YES
2003	03-04	5	YES
2004	03-04	6	YES

BMP 8 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 09 Coverage: Conservation Programs for CII Accounts

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 9 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

An agency must meet three conditions to comply with BMP 9.

Condition 1: Agency has identified and ranked by use commercial, industrial, and institutional accounts.

Condition 2(a): Agency is on track to survey 10% of commercial accounts, 10% of industrial accounts, and 10% of institutional accounts within 10 years of date implementation to commence.

OR

Condition 2(b): Agency is on track to reduce CII water use by an amount equal to 10% of baseline use within 10 years of date implementation to commence.

OR

Condition 2(c): Agency is on track to meet the combined target as described in Exhibit 1 BMP 9 documentation.

Test for Condition 1

Year	Report Period	BMP 9 Implementation Year	Ranked Com. Use	Ranked Ind. Use	Ranked Inst. Use
1999	99-00				
2000	99-00	1			
2001	01-02	2			
2002	01-02	3	NO	NO	NO
2003	03-04	4	NO	NO	NO
2004	03-04	5	NO	NO	NO

Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2004	1	0	0
Credit for Surveys Completed Prior to Implementation of Reporting Databases	10		
Total + Credit	11		
CII Accounts in Base Year	317		46
RU Survey Coverage as % of Base Year CII Accounts	3.5%		

Coverage Requirement by Year 5 of Implementation per Exhibit 1	3.3%	3.3%	3.3%
RU on Schedule to Meet 10 Year Coverage Requirement	YES	NO	NO

Test for Condition 2a

<u>Year</u>	<u>Report Period</u>	<u>BMP 9 Implementation Year</u>	<u>Performance Target Savings (AF/yr)</u>	<u>Performance Target Savings Coverage</u>	<u>Performance Target Savings Coverage Requirement</u>	<u>Coverage Requirement Met</u>
1999	99-00					
2000	99-00	1			0.5%	NO
2001	01-02	2			1.0%	NO
2002	01-02	3			1.7%	NO
2003	03-04	4			2.4%	NO
2004	03-04	5			3.3%	NO

Test for Condition 2c

Total BMP 9 Surveys + Credit	11
BMP 9 Survey Coverage	3.0%
BMP 9 Performance Target Coverage	
BMP 9 Survey + Performance Target Coverage	3.0%
Combined Coverage Equals or Exceeds Coverage Requirement?	NO

BMP 9 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
Fair Oaks Water District

Reporting
Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

An agency must meet one condition to comply with BMP 11.

Agency shall maintain rate structure consistent with BMP 11's definition of conservation pricing. Implementation methods shall be at least as effective as eliminating non-conserving pricing and adopting conserving pricing. For signatories supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Signatories that supply water but not sewer service shall make good faith efforts to work with sewer agencies so that those sewer agencies adopt conservation pricing for sewer service.

a) Non-conserving pricing provides no incentives to customers to reduce use. Such pricing is characterized by one or more of the following components: rates in which the unit price decreases as the quantity used increases (declining block rates); rates that involve charging customers a fixed amount per billing cycle regardless of the quantity used; pricing in which the typical bill is determined by high fixed charges and low commodity charges.

b) Conservation pricing provides incentives to customers to reduce average or peak use, or both. Such pricing includes: rates designed to recover the cost of providing service; and billing for water and sewer service based on metered water use. Conservation pricing is also characterized by one or more of the following components: rates in which the unit rate is constant regardless of the quantity used (uniform rates) or increases as the quantity used increases (increasing block rates); seasonal rates or excess-use surcharges to reduce peak demands during summer months; rates based upon the longrun marginal cost or the cost of adding the next unit of capacity to the system.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>RU Employed Conserving WATER Rate Structure</u>	<u>RU Employed Conserving SEWER Rate Structure</u>	<u>RU Meets BMP 11 Coverage Requirement</u>
1999	99-00			
2000	99-00			
2001	01-02			
2002	01-02	NO	YES	NO
2003	03-04	NO	YES	NO
2004	03-04	NO	YES	NO

BMP 11 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Warning: The BMP 12 form is not 100% complete for one or more report years. This may produce inaccurate results for this report.

Agency shall staff and maintain the position of conservation coordinator and provide support staff as necessary.

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00		
2000	99-00		
2001	01-02		
2002	01-02	YES	2
2003	03-04	YES	2
2004	03-04	YES	2

BMP 12 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 13 Coverage: Water Waste Prohibition

Reporting Unit:
Fair Oaks Water District

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

Warning: The BMP 13 form is not 100% complete for one or more report years.
 This may produce inaccurate results for this report.

An agency must meet one condition to comply with BMP 13.

Implementation methods shall be enacting and enforcing measures prohibiting gutter flooding, single pass cooling systems in new connections, non-recirculating systems in all new conveyer car wash and commercial laundry systems, and non-recycling decorative water fountains.

Test for Condition 1

Agency or service area prohibits:

<u>Year</u>	<u>Gutter Flooding</u>	<u>Single-Pass Cooling Systems</u>	<u>Single-Pass Car Wash</u>	<u>Single-Pass Laundry</u>	<u>Single-Pass Fountains</u>	<u>Other</u>	<u>RU has ordinance that meets coverage requirement</u>
1999							
2000							
2001							
2002	YES	NO	NO	NO	YES	NO	NO
2003	YES	NO	NO	NO	YES	NO	NO
2004	YES	NO	NO	NO	YES	NO	NO

BMP 13 COVERAGE STATUS SUMMARY:

Coverage status cannot be calculated. Water supplier data is missing that is required to calculate coverage status for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: **Fair Oaks Water District**

MOU Exhibit 1 Coverage Requirement

A Reporting Unit (RU) must meet one of the following conditions to be in compliance with BMP 14.

Condition 1: Retrofit-on-resale (ROR) ordinance in effect in service area.

Condition 2: Water savings from toilet replacement programs equal to 90% of Exhibit 6 coverage requirement.

An agency with an exemption for BMP 14 is not required to meet one of the above conditions. This report treats an agency with missing base year data required to compute the Exhibit 6 coverage requirement as out of compliance with BMP 14.

Status: Water supplier has not met one or more coverage requirements for this BMP. as of 2004

<u>Coverage Year</u>	<u>BMP 14 Data Submitted to CUWCC</u>	<u>Exemption Filed with CUWCC</u>	<u>ROR Ordinance in Effect</u>	<u>Exhibit 6 Coverage Req'mt (AF)</u>	<u>Toilet Replacement Program Water Savings* (AF)</u>
1999	NO	NO	NO	22.79	48.12
2000	NO	NO	NO	65.35	60.37
2001	NO	NO	NO	125.01	72.13
2002	YES	NO	NO	199.35	84.80
2003	YES	NO	NO	286.24	99.91
2004	YES	NO	NO	383.76	116.92
2005	NO	NO	NO	490.20	
2006	NO	NO	NO	604.06	
2007	NO	NO	NO	723.98	
2008	NO	NO	NO	848.76	

*NOTE: Program water savings listed are net of the plumbing code. Savings are cumulative (not annual) between 1991 and the given year. Residential ULFT count data from unsubmitted forms are NOT included in the calculation.

BMP 14 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

APPENDIX I

RESOLUTION NO. 0109 – WATER
SHORTAGE CONTINGENCY PLAN

RESOLUTION NO. 0109

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE FAIR OAKS WATER DISTRICT**

**A RESOLUTION AMENDING RESOLUTION NO. 9609
WATER CONSERVATION REQUIREMENTS AND ENFORCEMENT MEASURES**

WHEREAS, the Board of Directors of the Fair Oaks Water District (the "Board" and the "District", respectively) does hereby establishing Water Conservation Requirements and Enforcement Measures for FAIR OAKS WATER DISTRICT.

WHEREAS, water is a valuable resource which should not be wasted; and

WHEREAS, water availability can be adversely affected by weather conditions, environmental commitments and depleting ground water basin, and population growth; and

WHEREAS, the FAIR OAKS WATER DISTRICT is resolved to provide its customers with an adequate water supply at a reasonable price; and

WHEREAS, the Board of Directors of the FAIR OAKS WATER DISTRICT is committed to actively encourage District water users to conserve water.

NOW, THEREFORE BE IT RESOLVED, that in compliance with California Water Codes 375, 376 and 377, the following conservation program is hereby adopted by the Board of Directors of the Fair Oaks Water District and hereby finds, determines, declares and resolves as follows:

DETERMINATION AND DECLARATION OF WATER SUPPLY STAGES:

1. The Board of Directors of the District shall examine all available water supply and delivery data and the water deficiency guidelines below to determine the appropriate water supply stage. Upon notice by the District that one of the STAGED conditions exists within the District, the water conservation measures set for that specific STAGE shall apply to all District water customers until a different condition is declared:

STAGE 1 - NORMAL WATER SUPPLY: The District's water supply or distribution system is able to meet all the normal water demands of its customers in the immediate future.

STAGE 2 - WATER ALERT: There is a probability that the District's water supply or distribution system is not able to meet all the water demands of its customers.

STAGE 3 - WATER WARNING: The District's water supply or distribution system is not able to meet all the water demands of its customers.

STAGE 4 - WATER CRISIS: The District's water supply or distribution system is not able to meet all the water demands of its customers under STAGE 3 - WATER WARNING requirements.

STAGE 5 - WATER EMERGENCY: The District is experiencing a major failure of water supply, storage, or distribution system facilities.

2. Mandatory requirements associated with each of the stages are listed as follows:

STAGE 1 - NORMAL WATER SUPPLY

1. Water will be used in a beneficial manner; all non-beneficial and wasteful use of water is prohibited.
2. Water use shall be confined to the customer's property and shall not be allowed to run-off to adjoining property, roadside ditch, or gutter.
3. Outside-automated irrigating systems shall not be permitted to operate between 12 noon and 6:00 PM daily.
4. Outside manual irrigation shall not be permitted to operate between 12 noon and 6:00 PM daily.
5. Automatic shut-off device on garden hoses or filling apparatus' shall be used. Free-flowing hoses for water application (i.e. vehicle and equipment washing, ponds, irrigating, evaporative coolers, and livestock watering troughs) is prohibited.
6. Leaking customer pipes, pools, spas, fountains, ponds or faulty irrigation systems shall be addressed promptly. Upon notification by the District, leaks shall be repaired within five (5) days (or less or as conditions warrant) or service shall be terminated immediately and subject to reconnection charges. The termination procedure is independent of ENFORCEMENT section herein.
7. Pools, spas, fountains and ponds shall be equipped with recirculating pumps and shall be constructed to be leak-proof. Pools and spas shall be filtered and treated to minimize draining and refilling operations. Pool draining and refilling shall be performed only for health or maintenance considerations as recommended by a recognized pool professional. Said professional shall attest in letter form, and the District must concur with the reason(s) for pool draining, before the pool is drained.
8. Washing or hydraulic sweeping of streets, parking lots, driveways, sidewalks, patios, tennis courts or buildings is allowed only for health or sanitary considerations.

STAGE 2 - WATER ALERT

Upon implementation by the District of STAGE 2, the following mandatory requirements shall apply to all customers, in addition to the mandatory requirements of STAGE 1, except as superceded herein:

1. Outside automated irrigating systems shall not operate between 10:00 AM and 12 midnight daily, in addition to the 12 noon to 6:00 PM restriction.
2. Restaurants shall serve water only upon specific customer request.

STAGE 3 - WATER WARNING

Upon implementation by the District of STAGE 3, the following mandatory requirements shall apply to all customers, in addition to the mandatory requirements of STAGE 1 and STAGE 2, except as superceded herein:

1. Irrigating shall be limited to a maximum of two days per week based on an odd even schedule. Customers with street addresses that end with an odd number may irrigate only on Tuesdays and Saturdays. Customers with street addresses that end with an even number may irrigate only on Wednesdays and Sundays. Outside irrigation is not permitted on Mondays, Thursdays, and Fridays. Drip irrigation, including emitter and spray styles for non-turf areas, are excluded from this requirement.
2. Outside-automated irrigating systems shall not operate between 10:00 AM. and 12 midnight in addition to the 12 noon to 6:00 PM restriction.
3. Restaurants shall serve water only upon specific request.

STAGE 4 - WATER CRISIS

Upon implementation by the District of STAGE 4, the following mandatory requirements shall apply to all customers, in addition to the mandatory requirements of STAGE 1, STAGE 2, and STAGE 3, except as superceded herein:

1. Irrigating shall be limited to a maximum of one day per week based on an odd-even schedule. Customers with street addresses that end with an odd number may irrigate only on Saturdays. Customers with street addresses that end with an even number may irrigate only on Sundays. Irrigation is not permitted on Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays. Drip irrigation, including emitter and spray styles for non-turf areas, is excluded from this requirement.
2. Outside automated irrigating systems shall not operate between 10:00 AM and 12 midnight in addition to the 12 noon to 6:00 PM restriction.
3. Restaurants shall serve water only upon specific request.
4. Potable water from the District's system shall not be used to fill new swimming pools, artificial lakes, or ponds until the WATER CRISIS has been declared over.
5. Water use for ornamental ponds and fountains is prohibited.
6. Washing of vehicles and other equipment shall be done on the lawn or at a commercial establishment that uses recycled or reclaimed water. Vehicles used in the interest of public health, safety, and welfare shall be exempt from this requirement.

STAGE 5 - WATER EMERGENCY

Upon implementation by the District of STAGE 4, the following mandatory requirements shall apply to all customers, in addition to the mandatory requirements of STAGE 1, STAGE 2, STAGE 3 and STAGE 4, except as superceded herein:

1. Outside irrigating (manual and automated) shall not be permitted.
2. Flushing of sewers or fire hydrants is prohibited except in case of emergency and for essential operations.
3. Restaurants shall serve water only upon specific request.

4. Potable water from the District's system shall not be used for swimming pools, spas, artificial lakes, ponds, or streams.
5. Water use for ornamental ponds and fountains is prohibited.
6. Washing of vehicles and other equipment shall be done at a commercial establishment that uses recycled or reclaimed water.
7. Potable water from the District's system shall not be used for construction purposes, including dust control, compaction, or trench jetting.
8. New connections to the District's system will not be allowed.

ENFORCEMENT

The District shall terminate water service to the property of a customer who receives two violations for noncompliance with conditions set forth herein.

1. Upon observation by authorized District personnel of a water waste condition, the District shall issue a warning with the first two observations by personal service or by notice left on premises requesting compliance with the District's conservation rules.
2. Upon observation by authorized District personnel of a third water waste condition at the same property address, the customer shall be issued a violation by personal service or by notice left on premise and a copy mailed to customer at the premises. The customer shall be notified, in writing, that if an additional observation of water waste is documented, the District shall issue a 2nd violation notice, and begin termination actions of water service to the subject address. In lieu of service termination, the District may opt to impose a penalty charge for water waste. The District shall indicate in writing said penalty charge, if applicable in the violation notice. If the customer is not the property owner, a copy of the writing shall be mailed to the owner of record.
3. Upon observation by authorized District personnel of a fourth, or subsequent water waste condition at the same property address, the customer shall be issued a violation notice by personal service or by notice left on premises and a copy mailed to the customer at the premises. The owner/customer shall then be notified, in writing by certified mail, that the water service to the subject address shall be terminated in fifteen (15) days. Reconnection to the District's system after said termination procedure will be subject to a reconnect charge equal to the District's actual incurred costs to date, including penalty fees, or to a minimum charge as follows, whichever is greater:

1st reconnect charge	\$100.00 per service connection
2nd reconnect charge	\$200.00 per service connection
3rd reconnect charge	\$300.00 per service connection
4th reconnect charge	\$400.00 per service connection
4. Subsequent violations will be treated in the same manner as a 4th water waste or 2nd violation (subsequent reconnect charges applied).
5. Prior to the scheduled termination, the customer may choose to pay the District's costs associated with the subject action, and any penalty costs in lieu of terminating service. The customer may, in writing, request a meeting with the District's General Manager to discuss the proposed

termination of service. Payment of the penalty charge and fees will avoid said termination and will be considered a "waiver of appeal".

6. If the customer requests a meeting with the General Manager, and said meeting does not resolve the proposed termination of service to the customer's satisfaction, the customer may request a hearing before the Board of Directors. Such request will be made in writing and delivered to the District office within five (5) days from the date of the meeting between the customer and the District's General Manager.
7. If such request is made for a hearing before the Board, the matter shall be scheduled at the earliest possible date. A written notice of such hearing shall be mailed to customer at the premises at least ten (10) days prior to the date of such hearing.
8. Reconnection to the District's system after said termination procedure will be subject to a reconnect charge equal to the District's actual incurred costs to date, including penalty fees, and other related charges. The District must receive payment for said charges before the water service is restored.
9. The California Department of Health Services will be notified upon termination and reinstatement of service.
10. If the customer is not issued a warning or violation for a period of one year from the date of the last observed conservation rules violation, enforcement actions will revert to paragraph (1) of this section.

NOW THEREFORE BE IT FURTHER RESOLVED, that the District's General Manager is authorized and directed to carry out the intentions of this Resolution.

I certify that the foregoing Resolution was adopted by the Board of Directors of the Fair Oaks Water District at a Regular meeting held on the 12th day of June 2001, by the following vote:

AYES: Alessandri, Hafar, Henz & Plant

NOES: Brown

ABSTAIN:

ABSENT:

Joseph H.E.P. Plant,
President
Board of Directors

ATTEST:

Richard D. Plecker, General Manager/Secretary

