

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 _____ Reference & Page _____
 Name of plan _____ Lead Agency _____
 Describe the coordination of the plan preparation and anticipated benefits. _____ Reference & Page _____

Table 1
Coordination with Appropriate Agencies

Check at least one box on each row	Participated in developing the 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	N/A
Other water suppliers							
Water management agencies							
Relevant public agencies							
Other							
Other							

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

- Describe how water management tools / options maximize resources & minimize need to import water _____ Reference & Page _____

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

- Date updated and adopted plan received _____ (enter date) _____ Reference & Page _____

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

- Notify any city or county within service area of UWMP of plan review & revision _____ Reference & Page _____
 Consult and obtain comments from cities and counties within service area _____ Reference & Page _____

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

- Include current and projected population _____ Reference & Page _____
 Population projections were based on data from state, regional or local agency _____ Reference & Page _____

Table 2

Population - Current and Projected						
	2005	2010	2015	2020	2025	2030 - opt
Service Area Population						

- Describe climate characteristics that affect water management _____ Reference & Page
- Describe other demographic factors affecting water management _____ Reference & Page

Table 3 Climate						
	January	February	March	April	May	June
Standard Average ETo						
Average Rainfall						
Average Temperature						

Table 3 (continued) Climate						
	July	August	September	October	November	December
Average ETo						
Average Rainfall						
Average Temperature						

Water Sources (Water Code § 10631 (b))

- Identify existing and planned water supply sources _____ Reference & Page
- Provide current water supply quantities _____ Reference & Page
- Provide planned water supply quantities _____ Reference & Page

Table 4 Current and Planned Water Supplies - AFY						
Water Supply Sources	2005	2010	2015	2020	2025	
Water purchased from:						
U.S. Bureau of Reclamation						
Department of Water Resources						
Arcade Water District						
Calleguas Municipal Water District						
Castaic Lake Water Agency						

Central Basin Municipal Water District						
Chino Basin Municipal Water District						
Coastal Municipal Water District						
Contra Costa Water District						
Eastern Municipal Water District						
Foothill Municipal Water District						
Humboldt Bay Municipal Water District						
Inland Empire Utilities Agency						
Joint Regional Water Supply System						
Kern County Water Agency						
Metropolitan Water District of Southern Ca						
Municipal Water District of Orange County						
North of The River Municipal Water Distric						
Placer County Water Agency						
Sacramento County Water Management Di						
San Diego County Water Authority						
San Francisco City of						
San Juan Water District						
San Luis Obispo County						
Santa Clara Valley Water District						
Solano County Water Agency						
Sonoma County Water Agency						
Stockton East Water District						
Tehachapi-Cummings County Water Distri						
Three Valleys Municipal Utility District						
Upper San Gabriel Valley Municipal Water						
Water Facilities Authority						
West Basin Municipal Water District						
Western Municipal Water Dist of Riverside						
Zone 7						
Other Wholesaler 1 (enter agency name)						
Other Wholesaler 2 (enter agency name)						
Other Wholesaler 3 (enter agency name)						
Supplier produced groundwater						
Supplier surface diversions						
Transfers in or out						

Exchanges In or out						
Recycled Water (projected use)						
Desalination						
Other						
Other						
Total	0	0	0	0	0	

If Groundwater identified as existing or planned source (Water Code §10631 (b)(1-4))

- Has management plan _____ Reference & Page
- Attached management plan (b)(1) _____ Reference & Page
- Description of basin(s) (b)(2) _____ Reference & Page
- Basin is adjudicated _____ Reference & Page
- If adjudicated, attached order or decree (b)(2) _____ Reference & Page
- Quantified amount of legal pumping right (b)(2) _____ Reference & Page

Table 5 Groundwater Pumping Rights - AF Year	
Basin Name	Pumping Right - AFY
Total	0

- DWR identified, or projected to be, in overdraft (b)(2) _____ Reference & Page
- Plan to eliminate overdraft (b)(2) _____ Reference & Page
- Analysis of location, amount & sufficiency, last five years (b)(3) _____ Reference & Page
- Analysis of location & amount projected, 20 years (b)(4) _____ Reference & Page

Table 6 Amount of Groundwater pumped - AFY					
Basin Name (s)	2000	2001	2002	2003	2004
% of Total Water Supply					

Table 7

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

Reliability of Supply

(Water Code §10631 (c) (1-3))

Describes the reliability of the water supply and vulnerability to seasonal or climatic shortage _____ Reference & Page _____

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

Table 9 Basis of Water Year Data	
Water Year Type	Base Year(s)
Average Water Year	
Single-Dry Water Year	
Multiple-Dry Water Years	

_____ Reference & Page _____
 _____ Reference & Page _____
 _____ Reference & Page _____

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 _____ Reference & Page _____
 Describe the vulnerability of the water supply to seasonal or climatic shortages _____ Reference & Page _____
 No unreliable sources _____ Reference & Page _____

Table 10 Factors resulting in inconsistency of supply				
Name of supply	Legal	Environmental	Water Quality	Climatic

- Describe plans to supplement or replace inconsistent sources with alternative sources or DMMs _____ Reference & Page
- No inconsistent sources _____ Reference & Page

Transfer or Exchange Opportunities (Water Code §10631 (d))

- Describe short term and long term exchange or transfer opportunities _____ Reference & Page
- No transfer opportunities _____ Reference & Page

Table 11 Transfer and Exchange Opportunities - AF Year					
Transfer Agency	Transfer or Exchange	Short term	Proposed Quantities	Long term	Proposed Quantities
Total			0		0

Water Use Provisions (Water Code §10631 (e)(1)(2))

- Quantify past water use by sector _____ Reference & Page
- Quantify current water use by sector _____ Reference & Page
- Project future water use by sector _____ Reference & Page

TABLE 12 - Past, Current and Projected Water							
	2000				2005		
	metered		unmetered		metered		
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	#
Single family							
Multi-family							
Commercial							
Industrial							

Institutional/gov							
Landscape							
Agriculture							
other							
Total	0	0	0	0	0	0	

TABLE12 (continued)							
	2015				2020		
	metered		unmetered		metered		
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	#
Single family							
Multi-family							
Commercial							
Industrial							
Institutional/gov							
Landscape							
Agriculture							
other							
Total	0	0	0	0	0	0	

Identify and quantify sales to other agencies
 No sales to other agencies

Reference & Pag
 Reference & Pag

Table 13						
Sales to Other Agencies - AF Year						
Water Distributed	2000	2005	2010	2015	2020	
name of agency		0	0	0	0	
name of agency						
name of agency						
Total	0	0	0	0	0	

Identify and quantify additional water uses

Reference & Pag

Table 14					
Additional Water Uses and Losses - AF Year					
Water Use	2000	2005	2010	2015	2020

Saline barriers						
Groundwater recharge						
Conjunctive use						
raw water						
recycled						
other (define)						
Unaccounted-for system losses						
Total	0	0	0	0	0	

Table 15 Total Water Use - AF Year						
Water Use	2000	2005	2010	2015	2020	
Total of Tables 12, 13, 14	0	0	0	0	0	

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 future water supply projects or programs and no non-implemented / not scheduled DMMs _____ Reference & Page _____
- Cost-Benefit includes economic and non-economic factors (environmental, social, health, customer impact, and technological factors) _____ Reference & Page _____
- Cost-Benefit analysis includes total benefits and total costs _____ Reference & Page _____
- Identifies funding available for Projects with higher per-unit-cost than DMMs _____ Reference & Page _____
- Identifies Suppliers' legal authority to implement DMMs, efforts to implement the measures and efforts to identify cost share partners _____ Reference & Page _____

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 (\$)

- Agency is a CUWCC member _____ Reference & Page
- 2003-04 annual updates are attached to plan _____ Reference & Page
- Both annual updates are considered completed by CUWCC website _____ Reference & Page

If Supplier receives or projects receiving water from a wholesale supplier (Water Code §10631 (k))

- Yes
- Agency receives, or projects receiving, wholesale water _____ Reference & Page
 - Agency provided written demand projections to wholesaler, 20 years _____ Reference & Page

Table 19 Agency demand projections provided to wholesale suppliers - AFY					
Wholesaler	2010	2015	2020	2025	2030 - opt

- Wholesaler provided written water availability projections, by source, to agency, 20 years _____ Reference & Page
(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
(source 1)					
(source 2)					
(source 3)					

- Reliability of wholesale supply provided in writing by wholesale agency _____ Reference & Page
(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
(source 1)					
(source 2)					
(source 3)					

Table 22 Factors resulting in inconsistency of wholesaler's supply

Name of supply	Legal	Environment	Water Quality	Climatic
(source 1)				
(source 2)				

Water Shortage Contingency Plan Section

(Water Code § 10632)

Stages of Action

(Water Code § 10632 (a))

- Provide stages of action _____ Reference & Page
- Provide the water supply conditions for each stage _____ Reference & Page
- Includes plan for 50 percent supply shortage _____ Reference & Page

Table 23 Water Supply Shortage Stages and Conditions RATIONING STAGES		
Stage No.	Water Supply Conditions	% Shortage

Three-Year Minimum Water Supply

(Water Code §10632 (b))

- Identifies driest 3-year period _____ Reference & Page
- Minimum water supply available by source for the next three years _____ Reference & Page

Table 24 Three-Year Estimated Minimum Water Supply - AF Year				
source**	Normal	Year 1	Year 2	Year 3
Total	0	0	0	0

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

Preparation for catastrophic water supply interruption

(Water Code §10632 (c))

Provided catastrophic supply interruption plan

_____ Reference & Page

Table 25 Preparation Actions for a Catastrophe	
Possible Catastrophe	Check if Discussed
Regional power outage	
Earthquake	
Other (name action)	
Other (name action)	

Prohibitions

(Water Code § 10632 (d))

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

_____ Reference & Page

_____ Reference & Page

Table 26 Mandatory Prohibitions	
Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
Using potable water for street washing	
Other (name prohibition)	

Consumption Reduction Methods

(Water Code § 10632 (e))

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.

_____ Reference & Page

Table 27 Consumption Reduction Methods

Consumption Reduction Methods	Stage When Method Takes Effect	Projected Reduction (%)
name method		

Penalties **(Water Code § 10632 (f))**

List excessive use penalties or charges for excessive use _____ Reference & Page _____

Table 28 Penalties and Charges	
Penalties or Charges	Stage When Penalty Takes Effect
Penalty for excess use	
Charge for excess use	
Other (name penalties or charges)	

Revenue and Expenditure Impacts **(Water Code § 10632 (g))**

Describe how actions and conditions impact revenues _____ Reference & Page _____

Describe how actions and conditions impact expenditures _____ Reference & Page _____

Describe measures to overcome the revenue and expenditure impacts _____ Reference & Page _____

**Table 29
Proposed measures to overcome revenue impacts**

Names of measures	Check if Discussed
Rate adjustment	
Development of reserves	
name of measure	
name of measure	

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

Water Shortage Contingency Ordinance/Resolution (Water Code § 10632 (h))
 Attach a copy of the draft water shortage contingency resolution or ordinance. _____ Reference & Page

Reduction Measuring Mechanism (Water Code § 10632 (i))
 Provided mechanisms for determining actual reductions _____ Reference & Page

Table 31 Water Use Monitoring Mechanisms	
Mechanisms for determining actual reductions	Type data expected (pop-up?)
Name mechanism	
Name mechanism	
Name mechanism	

Recycling Plan Agency Coordination Water Code § 10633
 Describe the coordination of the recycling plan preparation information to the extent available.. _____ Reference & Page

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 _____ Reference & Page _____
- Quantify the volume of wastewater collected and treated _____ Reference & Page _____

Table 33 Wastewater Collection and Treatment - AF Year						
Type of Wastewater	2000	2005	2010	2015	2020	
Wastewater collected & treated in service area						
Volume that meets recycled water standard						

Wastewater Disposal and Recycled Water Uses (Water Code § 10633 (a - d))

- Describes methods of wastewater disposal _____ Reference & Page _____
- Describe the current type, place and use of recycled water _____ Reference & Page _____
- None
- Describe and quantify potential uses of recycled water _____ Reference & Page _____

Table 34 Disposal of wastewater (non-recycled) AF Year						
Method of disposal	Treatment Level	2005	2010	2015	2020	
Name of method						
Name of method						
Name of method						
Name of method						
Total		0	0	0	0	

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

Determination of technical and economic feasibility of serving the potential uses _____ Reference & Page

Projected Uses of Recycled Water (Water Code § 10633 (e))

Projected use of recycled water, 20 years _____ Reference & Page

Table 36 Projected Future Use of Recycled Water in Service Area - AF Year					
	2010	2015	2020	2025	2030 - opt
Projected use of Recycled Water					

Compare UWMP 2000 projections with UWMP 2005 actual (§ 10633 (e)) _____ Reference & Page

None

Table 37 Recycled Water Uses - 2000 Projection compared with 2005 actual - AFY		
User type	2000 Projection for 2005	2005 actual use
Agriculture		
Landscape		
Wildlife Habitat		
Wetlands		
Industrial		
Groundwater Recharge		
Other (user type)		

Other (user type)		
Total	0	0

Plan to Optimize Use of Recycled Water (Water Code § 10633 (f))

- Describe actions that might be taken to encourage recycled water uses _____ Reference & Page _____
- Describe projected results of these actions in terms of acre-feet of recycled water used per year _____ Reference & Page _____

Table 38 Methods to Encourage Recycled Water Use					
Actions	AF of use projected to result from this action				
	2010	2015	2020	2025	
Financial incentives					
name of action					
name of action					
name of action					
name of action					
name of action					
name of action					
Total	0	0	0	0	

- Provide a recycled water use optimization plan which includes actions to facilitate the use of _____ Reference & Page _____ recycled water (dual distribution systems, promote recirculating uses)

Water quality impacts on availability of supply (Water Code §10634)

- Discusses water quality impacts (by source) upon water management strategies and supply reliability _____ Reference & Page _____
- 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.

Reference & Page

Table 40					
Projected Normal Water Supply - AF Year					
(from table 4)	2010	2015	2020	2025	2030 - opt
Supply	0	0	0	0	0
% of year 2005					

Table 41					
Projected Normal Water Demand - AF Year					
(from table 15)	2010	2015	2020	2025	2030 - opt
Demand	0	0	0	0	0
% of year 2005					

Table 42					
Projected Supply and Demand Comparison - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply totals	0	0	0	0	0
Demand totals	0	0	0	0	0
Difference	0	0	0	0	0
Difference as % of Supply					
Difference as % of Demand					

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 next 20 years, in 5-year increments.

Reference & Page

Table 43					
Projected single dry year Water Supply - AF Year					
	2010	2015	2020	2025	2030 - opt

Supply					
% of projected normal					

Table 44					
Projected single dry year Water Demand - AF Year					
	2010	2015	2020	2025	2030 - opt
Demand					
% of projected normal					

Table 45					
Projected single dry year Supply and Demand Comparison - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply totals	0	0	0	0	0
Demand totals	0	0	0	0	0
Difference	0	0	0	0	0
Difference as % of Supply					
Difference as % of Demand					

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 _____ Reference & Page

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

Table 47					
Projected demand multiple dry year period ending in 2010 - AFY					
	2006	2007	2008	2009	2010
Demand					
% of projected normal					

Table 48					
Projected Supply and Demand Comparison during multiple dry year period ending in 2010- AF Year					
	2006	2007	2008	2009	2010
Supply totals	0	0	0	0	0
Demand totals	0	0	0	0	0
Difference	0	0	0	0	0
Difference as % of Supply					
Difference as % of Demand					



Project a multiple-dry year period (as identified in Table 9) occurring between 2011-2015 _____ Reference & Page _____ and 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					
% of projected normal					

Table 50					
Projected demand multiple dry year period ending in 2015 - AFY					
	2011	2012	2013	2014	2015
Demand					
% of projected normal					

Table 51					
Projected Supply and Demand Comparison during multiple dry year period ending in 2015- AF Year					
	2011	2012	2013	2014	2015
Supply totals	0	0	0	0	0
Demand totals	0	0	0	0	0
Difference	0	0	0	0	0
Difference as % of Supply					
Difference as % of Demand					



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

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

Table 53					
Projected demand multiple dry year period ending in 2020 - AFY					
	2016	2017	2018	2019	2020
Demand					
% of projected normal					

Table 54					
Projected Supply and Demand Comparison during multiple dry year period ending in 2020- AF Year					
	2016	2017	2018	2019	2020
Supply totals	0	0	0	0	0
Demand totals	0	0	0	0	0
Difference	0	0	0	0	0
Difference as % of Supply					
Difference as % of Demand					



Project a multiple-dry year period (as identified in Table 9) occurring between 2021-2025 _____ Reference & Page

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

Table 56					
Projected demand multiple dry year period ending in 2025 - AFY					
	2021	2022	2023	2024	2025
Demand					
% of projected normal					

Table 57 Projected Supply and Demand Comparison during multiple dry year period ending in 2025- AF Year					
	2021	2022	2023	2024	2025
Supply totals	0	0	0	0	0
Demand totals	0	0	0	0	0
Difference	0	0	0	0	0
Difference as % of Supply					
Difference as % of Demand					

Provision of Water Service Reliability section to cities/counties within service area (Water Code § 10635(b))
 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 _____ Reference & Page

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

Attach a copy of adoption resolution _____ Reference & Page

Encourage involvement of social, cultural & economic community groups _____ Reference & Page

Plan available for public inspection _____ Reference & Page

Provide proof of public hearing _____ Reference & Page

Provided meeting notice to local governments _____ Reference & Page

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

Reviewed implementation plan and schedule of 2000 UWMP _____ Reference & Page

Implemented in accordance with the schedule set forth in plan _____ Reference & Page

2000 UWMP not required _____ Reference & Page

Provision of 2005 UWMP to local governments (Water Code § 10644 (a))
 Provide 2005 UWMP to DWR, and cities and counties within 30 days of adoption _____ Reference & Page

Does the plan or correspondence accompanying it show where it is available for public review (Water Code § 10645)
 Does UWMP or correspondence accompanying it show where it is available for public review _____ Reference & Page