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

[x] Participated in area, regional, watershed or basin wide plan — Pg 3-12 — Reference & Page Number

Name of plan Gwtr. Supltn. Lead Agency Kings County Water District — Reference & Page Number

[x] Describe the coordination of the plan preparation and anticipated benefits. — Pg 1-5 — Reference & Page Number

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	Not Involved / No Information
Other water suppliers					X		
Water management agencies					X		
Relevant public agencies					X		
Irrigation Company					X		
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 Number

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

[X] Date updated and adopted plan received Dec. 2005 (enter date) — -- — Reference & Page Number

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

[NA] Notify any city or county within service area of UWMP of plan review & revision — NA — Reference & Page Number

[NA] Consult and obtain comments from cities and counties within service area — NA — Reference & Page Number

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

[X] Include current and projected population — Pgs 2-3 to 2-6 — Reference & Page Number

[X] Population projections were based on data from state, regional or local agency — Pg 2-5 — Reference & Page Number

Table 2 Population - Current and Projected						
	2005	2010	2015	2020	2025	2030 - opt
Service Area Population	23,983	29,179	35,500	43,191	52,484	-

X	Describe climate characteristics that affect water management	Pgs 2-1/2-2	Reference & Page Number
X	Describe other demographic factors affecting water management	Pgs 2-1 to 2-3	Reference & Page Number

Table 3 Climate						
	January	February	March	April	May	June
Standard Average ETo	0.92	1.94	3.19	4.62	6.04	7.34
Average Rainfall	1.66	1.6	1.76	0.63	0.26	0.08
Average Temperature	44.7	50.2	55	60.6	68.3	75

Table 3 (continued) Climate							
	July	August	September	October	November	December	Annual
Average ETo	8.23	7.18	4.94	3.24	1.67	1.08	**50.39**
Average Rainfall	0.01	0.01	0.25	0.44	0.82	1.06	**8.58**
Average Temperature	79.6	78.4	73.3	64.5	52.4	44.1	**62.2**

Water Sources **(Water Code § 10631 (b))**

X	Identify existing and planned water supply sou	3-1 to 3-12	Reference & Page Number
X	Provide current water supply quantities	3-3	Reference & Page Number
X	Provide planned water supply quantities	3-11 to 3-12	Reference & Page Number

Table 4 Current and Planned Water Supplies - AFY						
Water Supply Sources	2005	2010	2015	2020	2025	2030 - opt
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 D						
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 Distr						
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	6,970	7,900	9,095	10,550	12,320	*--
Supplier surface diversions						
Transfers in or out						
Exchanges In or out						
Recycled Water (projected use)						
Desalination						
Other						
Other						
Total	**6,970**	**7,900**	**9,095**	**10,550**	**12,320**	**0**

If Groundwater identified as existing or planned source		(Water Code §10631 (b)(1-4))	
X	Has management plan	Pgs 3-5/3-6	Reference & Page Number
X	Attached management plan (b)(1)	Appendix C	Reference & Page Number

Table 7 Amount of Groundwater projected to be pumped - AFY					
Basin Name(s)	**2010**	**2015**	**2020**	**2025**	**2030 - opt**
Tulare Lake	7,900	9,095	10,550	12,320	-
% of Total Water Supply	100.0%	100.0%	100.0%	100.0%	-

Reliability of Supply **(Water Code §10631 (c) (1-3)**

☐ Describes the reliability of the water supply and vulnerability to seasonal or climatic shortage — Pgs 3-3 - 3-12 Reference & Page Number

Table 8 Supply Reliability - AF Year					
		Multiple Dry Water Years			
Average / Normal Water Year	**Single Dry Water Year**	**Year 1**	**Year 2**	**Year 3**	**Year 4**
Groundwater; no overdraft; no dry year impacts					
% of Normal	100.0%	100.0%	100.0%	100.0%	100.0%

Table 9 Basis of Water Year Data					
Water Year Type	Source name	Source name	Source name		
Average Water Year	Tulare Lake Basin			Pgs 3-3- 3-12	Reference & Page Number
Single-Dry Water Year	Tulare Lake Basin			Pgs 3-3- 3-12	Reference & Page Number
Multiple-Dry Water Years	Tulare Lake Basin			Pgs 3-3- 3-12	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 — NA Reference & Page Number

☐ Describe the vulnerability of the water supply to seasonal or climatic shortages — NA Reference & Page Number

☒ No unreliable sources — Pgs 3-3- 3-12 Reference & Page Number

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

	Describe plans to supplement or replace inconsistent sources with alternative sources or DMMs	Pgs 3-3- 3-12	Reference & Page Number
X	No inconsistent sources	Pgs 3-3- 3-12	Reference & Page Number

Transfer or Exchange Opportunities		(Water Code §10631 (d))	
X	Describe short term and long term exchange or transfer opportunities	Pgs 3-12	Reference & Page Number
	No transfer opportunities		Reference & Page Number

Table11 Transfer and Exchange Opportunities - AF Year					
Transfer Agency	Transfer or Exchange	Short term	Proposed Quantities	Long term	Proposed Quantities
Lemoore Canal and	Transfer	Yes	300+	Yes	300+
Irrigation Company					
Total			0		0

Water Use Provisions		(Water Code §10631 (e)(1)(2))	
X	Quantify past water use by sector	5-1 to 5-4	Reference & Page Number
X	Quantify current water use by sector	5-4/5-5	Reference & Page Number
X	Project future water use by sector	5-5 to 5-7	Reference & Page Number

TABLE 12 - Past, Current and Projected Water Deliveries								
	2000				2005			
	metered		unmetered		metered		unmetered	
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single family	* included in metered flows							
Multi-family								
Commercial								
Industrial	2	2,000	0	0	3	2,390	0	0
Institutional/gov								

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.

Pg 3-12 Reference & Page Number

Table 40 Projected Normal Water Supply - AF Year					
(from table 4)	2010	2015	2020	2025	2030 - opt
Supply	7,900	9,095	10,550	12,320	N/A
% of year 2005	113%	130%	151%	177%	N/A

Table 41 Projected Normal Water Demand - AF Year					
(from table 15)	2010	2015	2020	2025	2030 - opt
Demand	7,900	9,095	0	12,320	N/A
% of year 2005	118%	136%	0%	184%	N/A

Table 42 Projected Supply and Demand Comparison - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply totals	7,900	9,095	10,550	12,320	N/A
Demand totals	7,900	9,095	-	12,320	N/A
Difference	0	0	10,550	0	
Difference as % of Supply	0%	0%	100%	0%	
Difference as % of Demand	0%	0%	#DIV/0!	0%	

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.

NA Reference & Page Number

Table 43 Projected single dry year Water Supply - AF Year					
	2010	2015	2020	2025	2030 - opt
Supply	7,900	9,095	10,550	12,320	
% of projected normal					