

## Urban Water Management Plan Checklist and Standard Tables



## Checklist Arranged by Water Code Section

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location <i>(Optional Column for Agency Use)</i></b>
<b>10608.20(b)</b>	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	p 3-5 (Sec 3.1.2) & p 3-6 (Exh 3C)
<b>10608.20(e)</b>	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 and App E	p 3-5 (Sec 3.1.2) & p 3-6 (Exh 3C) p B25 (SB X7-7 Table 1-9)
<b>10608.22</b>	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	p 3-5 (Sec 3.1.2) & p 3-6 (Exh 3C)
<b>10608.24(a)</b>	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	p 3-5 (Sec 3.1.2) & p 3-6 (Exh 3C)
<b>10608.24(d)(2)</b>	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	No adjustment applied
<b>10608.26(a)</b>	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	App D, 2 Public Hearings were held on 3/3/16 and 3/9/16
<b>10608.36</b>	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	Not Applicable

2015 UWMP Checklist

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location (Optional Column for Agency Use)</b>
<b>10608.40</b>	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	App B: Table 5-1
<b>10620(b)</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.	Plan Preparation	Section 2.1	LADWP updates its UWMP every 5 years since 1985
<b>10620(d)(2)</b>	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.	Plan Preparation	Section 2.5.2	Various pages reference reports, communication, and coordination with City Planning, Bureau of Sanitation, MWD, SCAG, TreePeople, and other agencies & stakeholders. Appendix D documents public involvements.
<b>10620(f)</b>	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	p ES-1
<b>10621(b)</b>	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	App D p D4
<b>10621(d)</b>	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	To be submitted June 2016
<b>10631(a)</b>	Describe the water supplier service area.	System Description	Section 3.1	p 1-8 (Sec 1.3)
<b>10631(a)</b>	Describe the climate of the service area of the supplier.	System Description	Section 3.3	p 1-12 (Sec 1.3.3) & Exh 1E

2015 UWMP Checklist

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location</b> <i>(Optional Column for Agency Use)</i>
<b>10631(a)</b>	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	p 1-9( Sec 1.3.2) & p 1-10(Exh 1B)
<b>10631(a)</b>	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	p 1-9 (Sect 1.3.2) & p 1-11 (Exh 1C)
<b>10631(a)</b>	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	p 1-11 (Exh 1C), p 2-9 (Exh 2G) & p 2-9 ( Sec 2.3.2: housing, employment, socioeconomic variables)
<b>10631(b)</b>	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	p 11-11 (Exh 11F, 11G, 11H) & p 11-20 (Exh 11K)
<b>10631(b)</b>	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	p 6-4 (Exh 6B) & p 6-24 (Exh 6I)
<b>10631(b)(1)</b>	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	p 6-2 (Sec 6.1) & App F
<b>10631(b)(2)</b>	Describe the groundwater basin.	System Supplies	Section 6.2.1	Beginning of each section describes individual basin: p 6-5 (Sec 6.2), p 6-12 (Sec 6.3), p 6-14 (Sec 6.4), p 6-16 (Sec 6.5)
<b>10631(b)(2)</b>	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	p 6-2 (Sec 6.1) & App F

2015 UWMP Checklist

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<b>10631(b)(2)</b>	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	Not Applicable
<b>10631(b)(3)</b>	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.4	p 6-2 (Sec 6.1) & p 6-4 (Exh 6B)
<b>10631(b)(4)</b>	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	p 6-24 (Sec 6.11 & Exh 6I)
<b>10631(c)(1)</b>	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	p 11-3 (Sec 11.2)
<b>10631(c)(1)</b>	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	p 11-11 (Exh 11F, 11G, 11H)
<b>10631(c)(2)</b>	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	p 11-4 (Sec 11.2.2 - 11.2.7)
<b>10631(d)</b>	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	p 9-1 (Sec 9.1)
<b>10631(e)(1)</b>	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	p 2-3 (Exh 2C: Historical) & p 2-9 (Exh 2G: Projected)
<b>10631(e)(3)(A)</b>	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	p 3-32 (Sec 3.2.4: Water Loss) & App G

2015 UWMP Checklist

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location (Optional Column for Agency Use)</b>
<b>10631(f)(1)</b>	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	p 3-14 (Sec 3.2.3), p 3-16( Exh 3F) & App H
<b>10631(f)(2)</b>	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	Not Applicable
<b>10631(g)</b>	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	RW: p 4-27 (Sec 4.4.1), p 4-32 (Sec 4.4.2), & p 4-33 (Sec 4.4.3) GW: begins p 6-5 (Sec 6.2: SFB Remediation), p 6-16 (Sec 6.4: Manhattan Wellfield Improvement). SWC: p 7-12 (Sec 7.4 Centralized Projects) & p 7-20 (Sec 7.5.2 Distributed Projects)
<b>10631(h)</b>	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	p 9-6 (Sec 9.3)
<b>10631(i)</b>	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	App H
<b>10631(j)</b>	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	App D (Email to MWD with Exhibits 11F, 11G, 11H) p D32

2015 UWMP Checklist

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location</b> <i>(Optional Column for Agency Use)</i>
<b>10631(j)</b>	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	Not Applicable
<b>10631.1(a)</b>	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	p 2-14 (Exh 2O)
<b>10632(a) and 10632(a)(1)</b>	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	p 11-16 (Sec 11.4.1)
<b>10632(a)(2)</b>	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	p 11-19 (Sec 11.4.2)
<b>10632(a)(3)</b>	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	p 11-21 (Sec 11.4.3)
<b>10632(a)(4)</b>	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	p 11-22 (Sec 11.4.4)
<b>10632(a)(5)</b>	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	p 11-24 (Sec 11.4.5)
<b>10632(a)(6)</b>	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	p 11-25 (Sec 11.4.6)



2015 UWMP Checklist

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<b>10632(a)(7)</b>	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	p 11-26 (Sec 11.4.7)
<b>10632(a)(8)</b>	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	p 11-26 (Sec 11.4.8) & App I
<b>10632(a)(9)</b>	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	p 11-28 (Sec 11.4.9)
<b>10633</b>	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	P 4-1 (Sect 4.0), p 10-1 (Sec 10.1)
<b>10633(a)</b>	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	p 4-9 (Sec 4.2 & Exh 4C)
<b>10633(b)</b>	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	p 4-9 (Sec 4.2 & Exh 4C)
<b>10633(c)</b>	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	p 4-13 (Sec 4.3), p 4-14 (Exh 4E), p 4-15 (Exh 4F), p 4-18 (Exh 4H), p 4-20 (Exh 4J), p 4-23 (Exh 4L)
<b>10633(d)</b>	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	p 4-27 (Sec 4.4.1)

2015 UWMP Checklist

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<b>10633(e)</b>	Describe 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.	System Supplies (Recycled Water)	Section 6.5.4	p 4-25 (Sec 4.3.5 & Exh 4N), p 4-25 (Sec 4.4 & Exh 4O)
<b>10633(f)</b>	Describe the actions 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.	System Supplies (Recycled Water)	Section 6.5.5	p 4-35 (Sec 4.4.5)
<b>10633(g)</b>	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	p 4-25 (Sec 4.4)
<b>10634</b>	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	p ES-26 (Water Quality), p 4-36 (Sec 4.4.6), p 5-14 (sec 5.5), p 6-8 (Sec 6.2), p 6-13 (Sec 6.3), p 6-15 (Sec 6.4), p 6-17 (Sec 6.5), p 6-20 (Sec 6.9), p 8-9 (Sec 8.1.1.3), p 8-17 (Sec 8.1.2.3.)
<b>10635(a)</b>	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	p 11-3 (Sec 11.2) & p 11-11 (Exh 11F, 11G, 11H)
<b>10635(b)</b>	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	To be enclosed with transmittal letter to DWR

2015 UWMP Checklist

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location (Optional Column for Agency Use)</b>
<b>10642</b>	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	App D
<b>10642</b>	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	App D
<b>10642</b>	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	App D
<b>10642</b>	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Adoption resolution included within cover page
<b>10644(a)</b>	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	To be enclosed with transmittal letter to DWR
<b>10644(a)(1)</b>	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	To be enclosed with transmittal letter to DWR & also satisfy CWC 10635 (b)
<b>10644(a)(2)</b>	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	Will submit electronically no later than July 1 <sup>st</sup> , 2016
<b>10645</b>	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	To be enclosed with transmittal letter to DWR

Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
CA1910067	Los Angeles-City, Dept. of Water & Power	704,176	520,905
<b>TOTAL</b>		<b>704,176</b>	<b>520,905</b>

NOTES: Volume of water supplied in 2015 includes 10,421 AF of recycled water. Public Water System Number Source = [https://iaspub.epa.gov/enviro/sdw\\_form\\_v3.create\\_page?state\\_abbr=CA](https://iaspub.epa.gov/enviro/sdw_form_v3.create_page?state_abbr=CA)

Table 2-2: Plan Identification		
Select Only One	Type of Plan	Name of RUWMP or Regional Alliance <i>if applicable</i> <i>drop down list</i>
<input checked="" type="checkbox"/>	<b>Individual UWMP</b>	
<input type="checkbox"/>	Water Supplier is also a member of a RUWMP	
<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance	
<input type="checkbox"/>	<b>Regional Urban Water Management Plan (RUWMP)</b>	

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency is a retailer
Fiscal or Calendar Year (select one)	
<input type="checkbox"/>	UWMP Tables Are in Calendar Years
<input checked="" type="checkbox"/>	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)	
7/1	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF

Table 2-4 Retail: Water Supplier Information Exchange
The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.
Wholesale Water Supplier Name <i>(Add additional rows as needed)</i>
<b>Metropolitan Water District of Southern California</b>
NOTES: Metropolitan was notified in accordance with CWC 10631, on February 12, 2016.

Table 3-1 Retail: Population - Current and Projected						
Population Served	2015	2020	2025	2030	2035	2040(opt)
	3,987,622	4,026,891	4,168,131	4,210,042	4,351,408	4,441,545

NOTES: Demographic projections were provided for the LADWP service area by MWD who received projected demographic data from Southern California Association of Governments (SCAG). SCAG allocated its 2012 Regional Transportation Plan demographic data into water service areas for MWD's member agencies.

Table 4-1 Retail: Demands for Potable and Raw Water - Actual			
Use Type <i>(Add additional rows as needed)</i>	2015 Actual		
<b>Drop down list</b> <i>May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>	Additional Description <i>(as needed)</i>	Level of Treatment When Delivered <i>Drop down list</i>	Volume
Single Family		Drinking Water	193,076
Multi-Family		Drinking Water	151,873
Commercial	includes services designated as irrigation services	Drinking Water	96,299
Industrial		Drinking Water	19,121
Institutional/Governmental	includes services designated as irrigation services	Drinking Water	34,883
Other	includes preliminary estimate of non-revenue water	Drinking Water	15,232
<b>TOTAL</b>			<b>510,484</b>

NOTES: Dedicated irrigation meters are included in Commercial and Institutional/Governmental categories and are not tracked individually. LADWP is still analyzing parameters required for the AWWA water balance to finalize FY14/15's non-revenue volume.

Table 4-2 Retail: Demands for Potable and Raw Water - Projected						
Use Type <i>(Add additional rows as needed)</i>	Additional Description <i>(as needed)</i>	Projected Water Use <i>Report To the Extent that Records are Available</i>				
<b>Drop down list</b> <i>May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>		2020	2025	2030	2035	2040-opt
Single Family		222,958	213,479	215,520	220,526	220,517
Multi-Family		184,679	197,196	202,585	207,202	217,125
Commercial	Includes Govt'l	132,200	128,783	125,876	122,075	122,242
Industrial		15,469	8,756	1,922	1,325	1,050
Losses		36,709	37,492	37,983	38,521	39,351
<b>TOTAL</b>		<b>592,000</b>	<b>585,700</b>	<b>583,900</b>	<b>589,600</b>	<b>600,300</b>

NOTES: Demand numbers have been reduced by projected code based savings. Significant reduction in Industrial usage due to customers switching to recycled water.

Table 4-3 Retail: Total Water Demands						
	2015	2020	2025	2030	2035	2040 <i>(opt)</i>
Potable and Raw Water <i>From Tables 4-1 and 4-2</i>	510,484	592,000	585,700	583,900	589,600	600,300
Recycled Water Demand* <i>From Table 6-4</i>	36,738	46,540	85,740	95,740	98,940	102,140
<b>TOTAL WATER DEMAND</b>	<b>547,222</b>	<b>638,540</b>	<b>671,440</b>	<b>679,640</b>	<b>688,540</b>	<b>702,440</b>

\*Recycled water demand fields will be blank until Table 6-4 is complete.

NOTES: Projected recycled water for environmental use of 26,740 AFY is automatically included in this table. However, it is not included in our water demand projection as shown in Exhibit 2K of LADWP's 2015 UWMP.

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date <i>(mm/yyyy)</i>	Volume of Water Loss*
"07/2013"	30,751

\* Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.

Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	Yes
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc... utilized in demand projections are found.	Location in UWMP: Section 2.3.3
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes

Table 5-1 Baselines and Targets Summary					
Retail Agency or Regional Alliance Only					
Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1996	2005	154	148	142
5 Year	2004	2008	152		
*All values are in Gallons per Capita per Day (GPCD)					
NOTES: Per capita water use targets are calculated per SB X7-7.					

Table 5-2: 2015 Compliance								
Retail Agency or Regional Alliance Only								
Actual 2015 GPCD*	2015 Interim Target GPCD*	Optional Adjustments to 2015 GPCD <i>From Methodology 8</i>					2015 GPCD* <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
114	148	0	0	0	0	114	114	Yes
*All values are in Gallons per Capita per Day (GPCD)								
NOTES:								

Table 6-1 Retail: Groundwater Volume Pumped							
<input type="checkbox"/>	Supplier does not pump groundwater. The supplier will not complete the table below.						
Groundwater Type <i>Drop Down List</i> <i>May use each category multiple times</i>	Location or Basin Name	2011	2012	2013	2014	2015	
<i>Add additional rows as needed</i>							
Alluvial Basin	San Fernando Groundwater Basin	44,029	50,244	50,550	68,784	80,097	
Alluvial Basin	Central Basin	5,099	9,486	6,310	9,727	6,948	
Alluvial Basin	Sylmar Basin	225	1,330	1,952	891	0	
Alluvial Basin	West Coast Basin	0	0	0	0	0	
<b>TOTAL</b>		49,353	61,060	58,812	79,402	87,045	
NOTES:							

**Table 6-2 Retail: Wastewater Collected Within Service Area in 2015**

<input type="checkbox"/> There is no wastewater collection system. The supplier will not complete the table below.						
Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>						
Percentage of 2015 service area population covered by wastewater collection system <i>(optional)</i>						
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional) Drop Down List</i>
<i>Add additional rows as needed</i>						
LASAN	Metered	38,000	LASAN	Donald C. Tillman WRP	Yes	No
LASAN	Metered	16,000	LASAN	Los Angeles-Glendale WRP	Yes	No
LASAN	Metered	18,000	LASAN	Terminal Island WRP	Yes	No
LASAN	Metered	294,000	LASAN	Hyperion WRP	Yes	No
<b>Total Wastewater Collected from Service Area in 2015:</b>		366,000				
NOTES: WRP = Water Reclamation Plant, LASAN = City of Los Angeles, Bureau of Sanitation						

**Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015**

<input type="checkbox"/> No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.										
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number <i>(optional)</i>	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level <i>Drop down list</i>	2015 volumes			
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
<i>Add additional rows as needed</i>										
Donald C. Tillman WRP	Outfall to LA River	Los Angeles River	4 19I005179	River or creek outfall	Yes	Tertiary	38,000	6,400	31,600	0
Los Angeles-Glendale WRP	Outfall to LA River	Los Angeles River	4 19I005012	River or creek outfall	Yes	Tertiary	16,000	11,100	3,200	1,700
Terminal Island WRP	Outfall to LA Harbor	Los Angeles Harbor	4 19I005178	Bay or estuary outfall	Yes	Tertiary	18,000	12,500	5,500	0
Hyperion WRP	5-mile outfall	Pacific Ocean	4 19I005011	Ocean outfall	Yes	Secondary, Undisinfected	294,000	243,500	12,200	38,300
<b>Total</b>							366,000	273,500	52,500	40,000
NOTES: 38,300 AF of secondary effluent was delivered to WBMWD from Hyperion WRP.										

**Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area**

<input type="checkbox"/> Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.								
Name of Agency Producing (Treating) the Recycled Water:			Los Angles Department of Public Works - Bureau of Sanitation					
Name of Agency Operating the Recycled Water Distribution System:			Los Angeles Department of Water and Power					
Supplemental Water Added in 2015			none					
Source of 2015 Supplemental Water			none					
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment <i>Drop down list</i>	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irrigation								
Landscape irrigation (excludes golf courses)	Parks, Sports Complexes, Schools, Apartments,	Tertiary	2,567	4,500	7,600	8,800	8,800	8,800
Golf course irrigation		Tertiary	2,811	3,800	3,800	3,800	3,800	3,800
Commercial use								
Industrial use	cooling towers, process refineries, dust control	Tertiary	15	3,400	9,500	15,800	15,800	15,800
Geothermal and other energy production		Tertiary	596	600	600	600	600	600
Seawater intrusion barrier	Dominguez Gap	Advanced	4,432	7,500	7,500	7,500	7,500	7,500
Recreational impoundment								
Wetlands or wildlife habitat	Augmenting lake flows to 4 different lakes	Tertiary	26,317	26,740	26,740	26,740	26,740	26,740
Groundwater recharge (IPR)*		Advanced	0	0	30,000	30,000	30,000	30,000
Surface water augmentation (IPR)*								
Direct potable reuse								
Other <i>(Provide General Description)</i>	Conceptual Planning	Tertiary				2,500	5,700	8,900
<b>Total:</b>			36,738	46,540	85,740	95,740	98,940	102,140
*IPR - Indirect Potable Reuse								
NOTES:								

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual			
<input type="checkbox"/>		Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type		2010 Projection for 2015	2015 Actual Use
Agricultural irrigation			
Landscape irrigation (excludes golf courses)			
Golf course irrigation			
Commercial use			
Industrial use			
Geothermal and other energy production			
Seawater intrusion barrier		3,000	4,432
Recreational impoundment			
Wetlands or wildlife habitat		26,990	26,317
Groundwater recharge (IPR)			
Surface water augmentation (IPR)			
Direct potable reuse			
Other	<i>Municipal &amp; Industrial</i>	20,000	5,989
<b>Total</b>		<b>49,990</b>	<b>36,738</b>
NOTES: 2010 Municipal and Industrial Use was projected as aggregate total; projections for M&I subcategories are not available.			

Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
<input type="checkbox"/>		Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.	
		Provide page location of narrative in UWMP	
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
<i>Add additional rows as needed</i>			
Harbor Area Expansion	mostly industrial non-potable reuse	2023	12,820
Metro Area Expansion	mostly non-potable reuse for landscape	2022	3,693
Valley Area Expansion	mostly non-potable reuse for landscape	2019	963
Westside Area Expansion	mostly non-potable reuse for landscape	2025	1,396
GWR	Groundwater Replenishment	2024	30,000
Long-term Planning	mostly non-potable reuse	2040	16,400
<b>Total</b>			<b>65,272</b>
NOTES: See LADWP 2015 UWMP Exhibits 4Q, 4R, 4S, 4T, Section 4.4.2, and Section 4.4.3.			



Table 6-7 Retail: Expected Future Water Supply Projects or Programs						
<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
<input type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Agency <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Agency Name</i>				
<i>Add additional rows as needed</i>						
Non-potable Reuse Projects	Yes	LASAN	Increased NPR connections for irrigation, industrial and commercial use	2040	All Year Types	35,000
Groundwater Replenishment	Yes	LASAN	Replenishing the San Fernando Basin with high quality Recycled Water	2024	All Year Types	30,000
Stormwater Harvesting	Yes	MWD	Rebate for rain barrels and cisterns. Funding partnership with public agency, and private partnerships with ngo's that install systems.	2040	All Year Types	400 - 2,000
Stormwater Recharge	Yes	LA County Flood Control	Recharge will allow for increased pumping	2040	All Year Types	15,000
Conservation	Yes	MWD	Ordinances mandate efficient water uses. Rebates for commercial and residential customers. Public outreach, advertising, and education on water use efficiency.	2040	All Year Types	108,100 - 143,500
NOTES: All supplies are planned for use in all year types. LASAN = Los Angeles Bureau of Sanitation; MWD = Metropolitan Water District of Southern California						

Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
		Actual Volume	Water Quality <i>Drop Down List</i>	Total Right or Safe Yield <i>(optional)</i>
<i>Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>				
<i>Add additional rows as needed</i>				
Groundwater	From the San Fernando Basin, Sylmar Basin, and Central Basin	90,438	Raw Water	
Purchased or Imported Water	Los Angeles Aqueduct	57,535	Raw Water	
Purchased or Imported Water	Metropolitan Water District of Southern California	66,309	Drinking Water	
Purchased or Imported Water	Metropolitan Water District of Southern California	296,298	Raw Water	
Stormwater Use	Distributed capture including rain barrels and cisterns	0	Raw Water	
Recycled Water	Non-potable Reuse	10,421	Recycled Water	
Supply from Storage		-96	Drinking Water	
<b>Total</b>		<b>520,905</b>		<b>0</b>

**Table 6-9 Retail: Water Supplies — Projected**

Water Supply	Additional Detail on Water Supply	Projected Water Supply <i>Report To the Extent Practicable</i>									
		2020		2025		2030		2035		2040 (opt)	
		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
<i>Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUData online submittal tool</i>											
<i>Add additional rows as needed</i>											
Groundwater	<i>From the San Fernando Basin, Sylmar Basin, and Central Basin</i>	112,670		110,670		106,670		114,670		114,070	
Purchased or Imported Water	<i>Los Angeles Aqueduct (Based on Average Year)</i>	275,700		293,400		291,000		288,600		286,200	
Purchased or Imported Water	<i>Metropolitan Water District of Southern California</i>	75,430		65,930		65,430		60,630		74,930	
Stormwater Use	<i>Harvesting with Rainbarrels and Cisterns</i>	400		800		1,200		1,600		2,000	
Recycled Water	<i>Non-potable Reuse</i>	19,800		29,000		39,000		42,200		45,400	
Recycled Water	<i>Groundwater Recharge</i>	0		30,000		30,000		30,000		30,000	
Stormwater Use	<i>Centralized Recharge will allow us to pump additional groundwater</i>	2,000		4,000		8,000		15,000		15,000	
Recycled Water	<i>Beneficial Reuse</i>	26,740		26,740		26,740		26,740		26,740	
Other	<i>LADWP considers Conservation a supply</i>	125,800		110,900		111,600		109,100		108,100	
<b>Total</b>		<b>638,540</b>	<b>0</b>	<b>671,440</b>	<b>0</b>	<b>679,640</b>	<b>0</b>	<b>688,540</b>	<b>0</b>	<b>702,440</b>	<b>0</b>

NOTES: Projections based on average weather year as shown in Exhibit 11H of LADWP's 2015 UWMP, which does not include 26,740 AFY of recycled water for beneficial reuse.

**Table 7-1 Retail: Basis of Water Year Data**

Year Type	Base Year <i>If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000</i>	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	% of Average Supply
Average Year	1962-2011	278,000	100%
Single-Dry Year	2015	57,535	21%
Multiple-Dry Years 1st Year	2013	118,402	43%
Multiple-Dry Years 2nd Year	2014	59,313	21%
Multiple-Dry Years 3rd Year	2015	57,535	21%
Multiple-Dry Years 4th Year <i>Optional</i>			
Multiple-Dry Years 5th Year <i>Optional</i>			
Multiple-Dry Years 6th Year <i>Optional</i>			

Agency may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If an agency uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.

NOTES: Showing LA Aqueduct supply reliability only. Groundwater & Recycled Water don't vary with weather. MWD supply is used to supplement insufficient local supplies and is not directly co-related to weather.

**Table 7-2 Retail: Normal Year Supply and Demand Comparison**

	2020	2025	2030	2035	2040 (Opt)
Supply totals (autofill from Table 6-9)	638,540	671,440	679,640	688,540	702,440
Demand totals (autofill from Table 4-3)	638,540	671,440	679,640	688,540	702,440
Difference	0	0	0	0	0

NOTES: Shortages in own supply are made up by wholesaler, therefore supply/demand balance and difference should be zero. 26,740 AF of recycled water to meet beneficial reuse demand is included in the table.

**Table 7-3 Retail: Single Dry Year Supply and Demand Comparison**

	2020	2025	2030	2035	2040 (Opt)
Supply totals	669,140	703,640	712,240	721,640	736,240
Demand totals	669,140	703,640	712,240	721,640	736,240
Difference	0	0	0	0	0

NOTES: 26,740 AF of recycled water to meet beneficial reuse demand is included in the table.

**Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison**

		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	605,140	664,640	682,840	691,540	703,640
	Demand totals	605,140	664,640	682,840	691,540	703,640
	Difference	0	0	0	0	0
Second year	Supply totals	648,640	696,740	710,540	719,840	733,340
	Demand totals	648,640	696,740	710,540	719,840	733,340
	Difference	0	0	0	0	0
Third year	Supply totals	669,140	703,640	712,240	721,640	736,240
	Demand totals	669,140	703,640	712,240	721,640	736,240
	Difference	0	0	0	0	0

NOTES: Based on historical hydrologies from FYE 2013-2015. The worst case scenario is when target year lands on the 3rd year of multi-dry year sequence. 26,740 AF of recycled water to meet beneficial reuse demand is included in the table.

Table 8-1 Retail Stages of Water Shortage Contingency Plan		
Stage	Complete Both	
	Percent Supply Reduction <sup>1</sup> <i>Numerical value as a percent</i>	Water Supply Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>		
1	0% to 15%	No Shortage
2	15% to 20%	Moderate Shortage
3	20% to 25%	Significant Shortage
4	25% to 35%	Severe Shortage
5	35% to 50%	Critical Shortage
6	>50%	Super Critical Shortage

<sup>1</sup> One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses			
Stage	Restrictions and Prohibitions on End Users <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
<i>Add additional rows as needed</i>			
1	Other - Prohibit use of potable water for washing hard surfaces	No use of a water hose to wash paved surfaces except to alleviate immediate safety or sanitation hazards.	Yes
1	Water Features - Restrict water use for decorative water features, such as fountains	No use of water to clean, fill, or maintain levels in decorative fountains, ponds, lakes or similar structures used for aesthetic purposes unless a recirculating system is used.	Yes
1	CII - Restaurants may only serve water upon request	No drinking water shall be served unless expressly requested in restaurants, hotels, cafes, cafeterias, or other public places where food is sold, served, or offered for sale.	Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	No leaks from any pipes or fixtures on a customer's premises; failure or refusal to fix leak in a timely manner shall subject the customer penalties for a prohibited use of water.	Yes

1	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	No washing vehicles with a hose if the hose does not have a self-closing water shut-off device attached or the hose is allowed to run continuously while washing a vehicle.	Yes
1	Landscape - Other landscape restriction or prohibition	No irrigation during rain or within 48 hours after a measureable rain event.	Yes
1	Landscape - Limit landscape irrigation to specific times	No irrigation between 9am - 4pm	Yes
1	Landscape - Other landscape restriction or prohibition	All irrigation with potable water using spray head and bubblers shall be limited to no more than ten minutes per water day per station. Irrigation of landscape with potable water using rotors and multi-stream rotary heads shall be limited to no more than 15 minutes per cycle and up to 2 cycles per water day per station.	Yes
1	Landscape - Restrict or prohibit runoff from landscape irrigation	No watering or irrigation of any lawn, landscape, or other vegetated area shall occur in a manner that causes or allows excess or continuous water flow or runoff onto an adjoining sidewalk, driveway, street, gutter, or ditch.	Yes
1	CII - Other CII restriction or prohibition	Installation of single pass cooling systems prohibited at for new water service requests	Yes
1	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	No installation of non-recirculating systems shall be permitted in new conveyor car wash and new commercial laundry systems.	Yes

1	CII - Lodging establishment must offer opt out of linen service	Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily.	Yes
1	Other	No large landscape areas shall have irrigation systems without rain sensors that shut off the irrigation systems. Large landscape areas with approved weather-based irrigation controllers registered with LADWP are compliant.	Yes
2	Landscape - Limit landscape irrigation to specific days	Limits customers to 3-day a week watering with reduced watering duration times.	Yes
3	Landscape - Limit landscape irrigation to specific days	Limit customers to 2-day a week watering with reduced watering duration times.	Yes
3	Pools and Spas - Require covers for pools and spas	Recommend use of pool covers.	Yes
3	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Recommend washing of vehicles at commercial car wash facilities.	Yes
4	Landscape - Limit landscape irrigation to specific days	Limit customers to 1-day a week watering with reduced watering duration times.	Yes
4	Pools and Spas - Require covers for pools and spas	Use of swimming pool covers on all residential swimming pools when not in use.	Yes
4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	No washing of vehicles allowed except at commercial car washes.	Yes
5	Landscape - Prohibit all landscape irrigation	No landscape irrigation is allowed.	Yes
5	Pools - Allow filling of swimming pools only when an appropriate cover is in place.	No filling of residential swimming pools and spas with potable water.	Yes

6	Other	The Board is authorized to implement additional water restrictions based on supply situation; Prohibitions are not applicable for use of water necessary for public health and safety; Customers may apply for a variance under undue hardship circumstances	Yes
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**Table 8-3 Retail Only:  
Stages of Water Shortage Contingency Plan - Consumption Reduction Methods**

Stage	Consumption Reduction Methods by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>		
	Expand Public Information Campaign	Partnering with the Mayor's Office, LADWP is running the "Save the Drop" Focused Outreach Campaign which includes conservation messaging through radio, television, print, and ads on bus tails, bus benches, and bus shelters.
	Provide Rebates on Plumbing Fixtures and Devices	LADWP offers a wide variety of rebates for its commercial and residential customers which includes toilets, clothes washers, showerheads, aerators, and rain barrels & cisterns.
	Provide Rebates for Landscape Irrigation Efficiency	LADWP offers its commercial and residential customers rebates for efficient sprinkler nozzles, weather based irrigation controllers, and moisture sensor systems.
	Provide Rebates for Turf Replacement	LADWP provides a rebate to commercial and residential customers who remove turf and replace with California Friendly landscaping. To date, LADWP has removed over 32 million square feet of turf through these programs.
	Reduce System Water Loss	LADWP completed its Water Loss Audit and Component Analysis Study in 2013 and has formed a Water Loss Task Force comprising of over 100 staff. The Task Force has evaluated the Study's recommendations and has begun implementing cost-effective strategies to further reduce water loss.
	Increase Water Waste Patrols	LADWP has a Water Conservation Response Unit, a dedicated conservation enforcement team, which comprises of 6 full-time staff that responds to water waste reports and patrols the City for water waste violations.

	Offer Water Use Surveys	LADWP offers its customers water use surveys to identify strategies to reduce their water use. LADWP has also sent out water conservation letters to its top 1% residential water users. The letters remind customers on the importance of conserving during the drought, and offers these customers a water audit by LADWP staff to identify measures they can take to reduce water use.
	Decrease Line Flushing	In response to water shortage conditions, LADWP has kept main flushing to a minimum.
NOTES: Reduction methods are on-going programs not tied to any specific stage of our WSCP		

Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	538,900	580,700	601,300
NOTES: See Exhibit 11K			

Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
West Hollywood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Culver City	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Los Angeles County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SB X7-7 Table 0: Units of Measure Used in UWMP* <i>(select one from the drop down list)</i>
Acre Feet
<i>*The unit of measure must be consistent with Table 2-3</i>



SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	648,523	Acre Feet
	2008 total volume of delivered recycled water	4,181	Acre Feet
	2008 recycled water as a percent of total deliveries	0.64%	Percent
	Number of years in baseline period <sup>1, 2</sup>	10	Years
	Year beginning baseline period range	1996	
	Year ending baseline period range <sup>3</sup>	2005	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2004	
	Year ending baseline period range <sup>4</sup>	2008	
<p><sup>1</sup> If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.</p> <p><sup>2</sup> The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.</p> <p><sup>3</sup> The ending year must be between December 31, 2004 and December 31, 2010.</p> <p><sup>4</sup> The ending year must be between December 31, 2007 and December 31, 2010.</p>			

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
<input checked="" type="checkbox"/>	<b>1. Department of Finance (DOF)</b> DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input type="checkbox"/>	<b>2. Persons-per-Connection Method</b>
<input type="checkbox"/>	<b>3. DWR Population Tool</b>
<input checked="" type="checkbox"/>	<b>4. Other</b> DWR recommends pre-review
<p>NOTES: LADWP service area population is based on DOF estimates with the following adjustments:</p> <p><u>Addition</u> The areas outside the LA City boundary, but served by LADWP, were delineated using GIS. Population information for each of the delineated areas was taken from US census data at the block level for the years 1990, 2000, and 2010. This population remained fairly stable over this period of time at around 32,600 people. The initial estimate of 28,000 people was established more than 20 years ago. Based on the recent study, this adjustment was increased by 4,600 people starting from 2010.</p> <p><u>Subtraction</u> The population living within the City of LA but served by others was determined by surveying City housing units that are not reachable by LADWP's service lines. This population also remains fairly constant at 2,000 people.</p>	

**SB X7-7 Table 3: Service Area Population**

Year	Population	
<b>10 to 15 Year Baseline Population</b>		
Year 1	1996	3,568,651
Year 2	1997	3,584,227
Year 3	1998	3,613,170
Year 4	1999	3,653,878
Year 5	2000	3,705,600
Year 6	2001	3,740,515
Year 7	2002	3,766,481
Year 8	2003	3,786,410
Year 9	2004	3,799,549
Year 10	2005	3,795,131
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
<b>5 Year Baseline Population</b>		
Year 1	2004	3,799,549
Year 2	2005	3,795,131
Year 3	2006	3,794,645
Year 4	2007	3,790,063
Year 5	2008	3,800,497
<b>2015 Compliance Year Population</b>		
<b>2015</b>		<b>3,987,622</b>

**SB X7-7 Table 4: Annual Gross Water Use \***

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Annual Gross Water Use
		Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	
<b>10 to 15 Year Baseline - Gross Water Use</b>							
Year 1	1996	601,559	(2,738)	-	-	-	604,297
Year 2	1997	628,539	1,120	-	-	-	627,419
Year 3	1998	591,309	2,681	-	-	-	588,627
Year 4	1999	617,840	(2,973)	-	-	-	620,813
Year 5	2000	659,678	(1,909)	-	-	-	661,586
Year 6	2001	658,800	2,055	-	-	-	656,746
Year 7	2002	661,553	(5,036)	-	-	-	666,588
Year 8	2003	653,110	1,990	-	-	-	651,119
Year 9	2004	684,476	(2,938)	-	-	-	687,414
Year 10	2005	615,309	2,080	-	-	-	613,229
Year 11	0	-		-	-	-	-
Year 12	0	-		-	-	-	-
Year 13	0	-		-	-	-	-
Year 14	0	-		-	-	-	-
Year 15	0	-		-	-	-	-
<b>10 - 15 year baseline average gross water use</b>							<b>637,784</b>
<b>5 Year Baseline - Gross Water Use</b>							
Year 1	2004	684,476	(2,938)	-	-	-	687,414
Year 2	2005	615,309	2,080	-	-	-	613,229
Year 3	2006	628,385	2,603	-	-	-	625,782
Year 4	2007	666,096	277	-	-	-	665,819
Year 5	2008	645,781	1,439	-	-	-	644,342
<b>5 year baseline average gross water use</b>							<b>647,317</b>
<b>2015 Compliance Year - Gross Water Use</b>							
<b>2015</b>		<b>510,580</b>	-	96	-	-	<b>510,484</b>

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)				
Complete one table for each source.				
Name of Source		Los Angeles Aqueduct		
This water source is:				
<input type="checkbox"/> The supplier's own water source				
<input checked="" type="checkbox"/> A purchased or imported source				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment <i>* Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1996	466,584		466,584
Year 2	1997	445,400		445,400
Year 3	1998	396,519		396,519
Year 4	1999	424,499		424,499
Year 5	2000	293,075		293,075
Year 6	2001	238,747		238,747
Year 7	2002	228,224		228,224
Year 8	2003	203,372		203,372
Year 9	2004	224,728		224,728
Year 10	2005	297,828		297,828
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2004	224,728		224,728
Year 2	2005	297,828		297,828
Year 3	2006	368,878		368,878
Year 4	2007	277,817		277,817
Year 5	2008	151,506		151,506
2015 Compliance Year - Water into Distribution System				
2015		57,535		57,535
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

SB X7-7 Table 4-A: Volume Entering the Distribution System				
Name of Source		Local Groundwater		
This water source is:				
<input checked="" type="checkbox"/> The supplier's own water source				
<input type="checkbox"/> A purchased or imported source				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment <i>* Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1,996	71,083		71,083
Year 2	1,997	109,826		109,826
Year 3	1,998	98,932		98,932
Year 4	1,999	125,381		125,381
Year 5	2,000	126,649		126,649
Year 6	2,001	85,077		85,077
Year 7	2,002	69,660		69,660
Year 8	2,003	87,505		87,505
Year 9	2,004	92,497		92,497
Year 10	2,005	66,792		66,792
Year 11	-			0
Year 12	-			0
Year 13	-			0
Year 14	-			0
Year 15	-			0
5 Year Baseline - Water into Distribution System				
Year 1	2,004	92,497		92,497
Year 2	2,005	66,792		66,792
Year 3	2,006	50,620		50,620
Year 4	2,007	92,899		92,899
Year 5	2,008	73,314		73,314
2015 Compliance Year - Water into Distribution System				
2015		90,438		90,438
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

SB X7-7 Table 4-A: Volume Entering the Distribution System				
Name of Source		Metropolitan Water District of So. Cal.		
This water source is:				
<input type="checkbox"/> The supplier's own water source				
<input checked="" type="checkbox"/> A purchased or imported source				
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment <i>* Optional (+/-)</i>	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1,996	63,892		63,892
Year 2	1,997	73,314		73,314
Year 3	1,998	95,857		95,857
Year 4	1,999	67,961		67,961
Year 5	2,000	239,953		239,953
Year 6	2,001	334,976		334,976
Year 7	2,002	363,669		363,669
Year 8	2,003	362,232		362,232
Year 9	2,004	367,251		367,251
Year 10	2,005	250,689		250,689
Year 11	-			0
Year 12	-			0
Year 13	-			0
Year 14	-			0
Year 15	-			0
5 Year Baseline - Water into Distribution System				
Year 1	2,004	367,251		367,251
Year 2	2,005	250,689		250,689
Year 3	2,006	208,888		208,888
Year 4	2,007	295,380		295,380
Year 5	2,008	420,961		420,961
2015 Compliance Year - Water into Distribution System				
2015		362,607		362,607
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				

**SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)**

Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
<b>10 to 15 Year Baseline GPCD</b>				
Year 1	1996	3,568,651	604,297	151
Year 2	1997	3,584,227	627,419	156
Year 3	1998	3,613,170	588,627	145
Year 4	1999	3,653,878	620,813	152
Year 5	2000	3,705,600	661,586	159
Year 6	2001	3,740,515	656,746	157
Year 7	2002	3,766,481	666,588	158
Year 8	2003	3,786,410	651,119	154
Year 9	2004	3,799,549	687,414	162
Year 10	2005	3,795,131	613,229	144
Year 11	0	-	-	-
Year 12	0	-	-	-
Year 13	0	-	-	-
Year 14	0	-	-	-
Year 15	0	-	-	-
<b>10-15 Year Average Baseline GPCD</b>				<b>154</b>
<b>5 Year Baseline GPCD</b>				
Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2004	3,799,549	687,414	162
Year 2	2005	3,795,131	613,229	144
Year 3	2006	3,794,645	625,782	147
Year 4	2007	3,790,063	665,819	157
Year 5	2008	3,800,497	644,342	151
<b>5 Year Average Baseline GPCD</b>				<b>152</b>
<b>2015 Compliance Year GPCD</b>				
<b>2015</b>		3,987,622	510,484	<b>114</b>

**SB X7-7 Table 6: Gallons per Capita per Day**  
*Summary From Table SB X7-7 Table 5*

10-15 Year Baseline GPCD	154
5 Year Baseline GPCD	152
2015 Compliance Year GPCD	114

**SB X7-7 Table 7: 2020 Target Method**

*Select Only One*

Target Method		Supporting Documentation
<input type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
<input checked="" type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
154	123

SB X7-7 Table 7-E: Target Method 3				
Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
<input type="checkbox"/>		North Coast	137	130
<input type="checkbox"/>		North Lahontan	173	164
<input type="checkbox"/>		Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		Central Coast	123	117
<input type="checkbox"/>		Tulare Lake	188	179
<input type="checkbox"/>		South Lahontan	170	162
<input checked="" type="checkbox"/>	100%	South Coast	149	142
<input type="checkbox"/>		Colorado River	211	200
<b>Target</b> <i>(If more than one region is selected, this value is calculated.)</i>				<b>142</b>

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD <i>From SB X7-7 Table 5</i>	Maximum 2020 Target <sup>1</sup>	Calculated 2020 Target <sup>2</sup>	Confirmed 2020 Target
152	145	142	142

<sup>1</sup> Maximum 2020 Target is 95% of the 5 Year Baseline GPCD  
<sup>2</sup> 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.

SB X7-7 Table 8: 2015 Interim Target GPCD		
Confirmed 2020 Target <i>Fm SB X7-7 Table 7-F</i>	10-15 year Baseline GPCD <i>Fm SB X7-7 Table 5</i>	2015 Interim Target GPCD
142	154	148

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments <i>(in GPCD)</i>					2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015?
		Enter "0" if Adjustment Not Used			TOTAL Adjustments	Adjusted 2015 GPCD		
		Extraordinary Events	Weather Normalization	Economic Adjustment				
114	148	-	-	-	-	114	114	YES

