

Table 2-1: Public Water Systems

Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
1910239	CITY OF LAKEWOOD	20,339	6,174
TOTAL		20,339	6,174

Table 2-2: Plan Identification

Select Only One	Type of Plan	
<input checked="" type="checkbox"/>	Individual UWMP	
	<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
NOTES:		

Table 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 checked="" type="checkbox"/>	UWMP Tables Are in Calendar Years
<input type="checkbox"/>	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF
NOTES:	

Table 2-4: 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 *(Add additional rows as needed)*

CENTRAL BASIN MUNICIPAL WATER DISTRICT

CITY OF CERRITOS

LONG BEACH WATER

GOLDEN STATE WATER COMPANY

METROPOLITAN WATER DISTRICT

WATER REPLENISHMENT DISTRICT

NOTES:

Table 3-1: Population - Current and Projected

	2015	2020	2025	2030	2035
Population Served	59,331	60,019	60,177	60,335	60,492

NOTES: 1. U.S. Bureau of Census, Census Data Tract: 1990, 2000, 2010 California Department of Finance Population Estimates: 1995, 2005, 2015. Southern California Area Governments 2016 Data: 2020, 2025, 2030, 2035
2 . Water Use Efficiency (WUE) Data Tool for the City of Lakewood.

Table 4-1: Demands for Potable and Raw Water - Actual

Use Type	2015 Actual	
	Level of Treatment When Delivered	Volume
Single Family	Drinking Water	4,812
Multi-Family	Drinking Water	254
Commercial	Drinking Water	752
Institutional/Governmental	Drinking Water	78
Landscape	Drinking Water	278
Losses	Drinking Water	327
	TOTAL	6,501

Table 4-2: Demands for Potable and Raw Water - Projected

Use Type <i>(Add additional rows as needed)</i>	Projected Water Use <i>Report To the Extent that Records are Available</i>			
	2020	2025	2030	2035
Single Family	5,197	5,301	5,407	5,515
Multi-Family	274	280	285	291
Commercial	812	828	845	862
Institutional/Governmental	84	86	88	90
Landscape	300	306	312	318
TOTAL	6,667	6,801	6,937	7,076

NOTES: Projected 2020 number includes an 8% increase in water use as compared to 2015 Actuals. The 8% encompasses an increase in water use over 2015 numbers considering the drought should end but people are more conscious of their water use and will still use less than was previously projected. This projection is still 25 percent LESS than our 2010 UWMP projected water use of 9,073 annual acre-feet based on 100 gallons-per-capita-per-day projected for 2020.

Table 4-3: Total Water Demands

	2015	2020	2025	2030	2035
Potable and Raw Water <i>From</i> <i>Tables 4-1 and 4-2</i>	6,501	6,667	6,801	6,937	7,076
Recycled Water Demand* <i>From</i> <i>Table 6-4</i>	502	502	502	502	502
TOTAL WATER DEMAND	7,003	7,169	7,303	7,439	7,578

NOTES:

Table 4-4: 12-Month Water Loss Audit Reporting

Reporting Period Start Date (01/2015)	Volume of Water Loss*
01/2015	327

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

NOTES: Using the American Water Works Association Method in calculating water loss from January 1, 2015 to December 31, 2015, the City has determined our water loss to be 327 acre-feet or 6% of total water pumped.

Table 4-5: Inclusion in Water Use Projections

<p>Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook)</p>	<p>No</p>
<p>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.</p>	
<p>Are Lower Income Residential Demands Included In Projections?</p>	<p>No</p>
<p>NOTES: Future water savings are not projected for water use projections by sector because with our current tracking system this data is difficult to ascertain. However, an overall water use savings is calculated to account for outdoor irrigation saving as required and enforceable by the City's Emergency Water Conservation Ordinance.</p>	

Table 5-1: Baselines and Targets Summary

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1996	2005	107	103	99
5 Year	2004	2008	104		

*All values are in Gallons per Capita per Day (GPCD)

NOTES:

Table 5-2: 2015 Compliance*Retail Agency or Regional Alliance Only*

Actual 2015 GPCD*	2015 Interim Target GPCD*	Optional Adjustments to 2015 GPCD					2015 GPCD*	Did Supplier Achieve Targeted Reduction for 2015?
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
82	103	0	0	0	0	82	82	Yes
<i>*All values are in Gallons per Capita per Day (GPCD)</i>								
NOTES:								

Table 6-1: Groundwater Volume Pumped

Supplier does not pump groundwater. The supplier will not complete the table below.						
Groundwater Type	Location or Basin Name	2011	2012	2013	2014	2015
Alluvial Basin	Central Groundwater Basin	7882	8129	8351	7906	6582
TOTAL		7,882	8,129	8,351	7,906	6,582
NOTES:						

Table 6-2: Wastewater Collected Within Lakewood 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?	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?	Is WWTP Operation Contracted to a Third Party?
SANITATION DISTRICTS OF LOS ANGELES COUNTY	Metered	27,343	SANITATION DISTRICTS OF LOS ANGELES COUNTY	Long Beach Water Reclamation Plant (LBWRP)	No	No
Total Wastewater Collected from Service Area in 2015:		27,343				
NOTES:						

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

<input checked="" 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	Method of Disposal	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level	Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
Total							0	0	0	0
NOTES:										

Table 6-4: 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:		CITY OF CERRITOS					
Name of Agency Operating the Recycled Water Distribution System:		CITY OF LAKEWOOD					
Supplemental Water Added in 2015		N/A					
Source of 2015 Supplemental Water		N/A					
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment	2015	2020	2025	2030	2035
Agricultural irrigation							
Landscape irrigation (excludes golf courses)	Irrigation of Parks and Medians	Tertiary	502	502	502	502	502
Golf course irrigation							
Commercial use							
Industrial use							
Geothermal and other energy production							
Seawater intrusion barrier							
Recreational impoundment							
Wetlands or wildlife habitat							
Groundwater recharge (IPR)*							
Surface water augmentation (IPR)*							
Direct potable reuse							
Other (Provide General Description)							
Total:			502	502	502	502	502
<i>*IPR - Indirect Potable Reuse</i>							
NOTES:							

Table 6-5 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)	450	502
Golf course irrigation		
Commercial use		
Industrial use		
Geothermal and other energy production		
Seawater intrusion barrier		
Recreational impoundment		
Wetlands or wildlife habitat		
Groundwater recharge (IPR)		
Surface water augmentation (IPR)		
Direct potable reuse		
Other	<i>Type of Use</i>	
Total	450	502
NOTES:		

Table 6-6: Methods to Expand Future Recycled Water Use

☑	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
Total			0
NOTES:			

Table 6-7: Expected Future Water Supply Projects or Programs

<input checked="" 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	Expected Increase in Water Supply to Agency
NOTES:						

Table 6-8: Water Supplies — Actual

Table 6-8: Water Supplies — Actual			
Water Supply	Additional Detail on Water Supply	2015	
		Actual Volume	Water Quality
Groundwater		6,582	Drinking Water
Recycled Water		502	Recycled Water
Total		7,084	
NOTES:			

Table 6-9: Water Supplies — Projected									
Water Supply	Additional Detail on Water Supply	Projected Water Supply <i>Report To the Extent Practicable</i>							
		2020		2025		2030		2035	
		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)
Groundwater		9,432		9,432		9,432		9,432	
Recycled Water		502		502		502		502	
	Total	9,934	0	9,934	0	9,934	0	9,934	0

Table 7-1: 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	2008	10998	100%
Single-Dry Year	1990	10847	99%
Multiple-Dry Years 1st Year	1989	10757	98%
Multiple-Dry Years 2nd Year	1990	10847	99%
Multiple-Dry Years 3rd Year	1991	10428	95%

Table 7-2 Normal Year Supply and Demand Comparison

	2020	2025	2030	2035
Supply totals <i>(autofill from Table 6-9)</i>	9,934	9,934	9,934	9,934
Demand totals <i>(autofill from Table 4-3)</i>	7,169	7,303	7,439	7,578
Difference	2,765	2,631	2,495	2,356

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

	2020	2025	2030	2035
Supply totals	9,432	9,432	9,432	9,432
Demand totals	6,667	6,801	6,937	7,076
Difference	2,765	2,631	2,495	2,356

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

		2020	2025	2030	2035
First year (2% less supply)	Supply totals	9,243	9,243	9,243	9,243
	Demand totals	6,667	6,801	6,937	7,076
	Difference	2,576	2,442	2,306	2,167
Second year (3% less supply)	Supply totals	9,149	9,149	9,149	9,149
	Demand totals	6,667	6,801	6,937	7,076
	Difference	2,482	2,348	2,212	2,073
Third year (8% less supply)	Supply totals	8,677	8,677	8,677	8,677
	Demand totals	6,667	6,801	6,937	7,076
	Difference	2,010	1,876	1,740	1,601

NOTES: Of the annual 9,432 acre-feet of supply, the First year indicates a 2% less supply; Second year calculates a 3% less supply; and Third year shows a 8% less supply. The Demand total calculation is taken from Table 7-3.

Table 8-1: Stages of Water Shortage Contingency Plan

Stage	Complete Both	
	Percent Supply Reduction ¹	Water Supply Condition
<i>Add additional rows as needed</i>		
PHASE I	10%	Declaration of Drought by State or Regional Agency Calling for 10% Reduction
PHASE II	20%	Declaration of Drought by State or Regional Agency Calling for 20% Reduction
PHASE III	30%	Declaration of Drought by State or Regional Agency Calling for 30% Reduction
PHASE IV	40%	Halt of artificial recharge of groundwater basin over 3 year period
PHASE V	50%	Halt of artificial recharge of groundwater basin over 5 year period

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

Table 8-2: Restrictions and Prohibitions on End Uses

Stage	Restrictions and Prohibitions on End Users	Penalty, Charge, or Other Enforcement?
PHASE II	Landscape - Restrict or prohibit runoff from landscape irrigation	Yes
PHASE III	Landscape - Limit landscape irrigation to specific times	Yes

Table 8-3: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods

Stage	Consumption Reduction Methods by Water Supplier
PHASE II	Provide Rebates for Landscape Irrigation Efficiency
PHASE III	Decrease Line Flushing

Table 8-4: Minimum Supply Next Three Years

	2016	2017	2018
Available Water Supply	6,582	6,582	6,582

Table 10-1: Notification to Cities and Counties

City Name	60 Day Notice	Notice of Public Hearing
CITY OF CERRITOS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CITY OF LONG BEACH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
County Name	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"/>