

RESOLUTION 17-01

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE TWENTYNINE PALMS WATER DISTRICT ADOPTING AMENDMENTS TO THE 2015 URBAN WATER MANAGEMENT PLAN AND WATER SHORTAGE CONTINGENCY PLAN

WHEREAS, the California Urban Water Management Planning Act, Water Code section 10610 et seq. (the Act) mandates that every urban water supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre feet of water annually, prepare and adopt an updated Urban Water Management Plan at least once every five years; and

WHEREAS, Twentynine Palms Water District (TPWD) is an urban water supplier for the purposes of the Act, and approved and adopted its most recent 2010 Urban Water Management Plan (UWMP) and submitted that UWMP to the California Department of Water Resources in July 2011; and

WHEREAS, TPWD, in accordance with applicable law including requirements of the Act and the Water Conservation Act of 2009 has prepared its 2015 UWMP and has undertaken certain agency coordination, public notice, public involvement and outreach, public comment, and other procedures in relation to its 2015 UWMP; and

WHEREAS, TPWD has prepared its 2015 UWMP with its own staff, with the assistance of consulting professionals, and in cooperation with other governmental agencies and has utilized and relied upon industry standards and the expertise of industry professionals in preparing its UWMP and has utilized and relied upon the Department of Water Resources 2015 Urban Water Management Plans Guidebook to Assist Urban Water Suppliers (March 2016); and

WHEREAS, California Water Code section 10632 requires water agencies to plan for water shortages of up to 50 percent as part of their Urban Water Management Plan; and

WHEREAS, TPWD has prepared an update to its Water Shortage Contingency Plan (WSCP); and

WHEREAS, the WSCP is consistent with the California Water Code sections 350 through 359 and section 10632, and guidance provided by the California Department of Water Resources Urban Drought Guidebook 2008 Updated Edition; and

WHEREAS, in accordance with applicable law, including Water Code sections 10608.26 and 10642, and Government Code section 6066, the TPWD made its Draft 2015 UWMP and WSCP available for public inspection, and caused to be published within the jurisdiction of the TPWD at least two notices of public hearing

regarding the TPWD's 2015 UWMP and WSCP, which publication dates included May 12, 2016 and May 19, 2016.

WHEREAS, the TPWD held its public hearing on May 25, 2016, and adopted the 2015 UWMP and WSCP on June 22, 2016 in the Board Room of the TPWD, located at 72401 Hatch Road, Twentynine Palms, California, regarding tis 2015 UWMP and WSCP, wherein, among other things, members of the public and other interested entities were provided with the opportunity to be heard in connection with the TPWD's 2015 UWMP and WSCP and the proposed adoption thereof; and

WHEREAS, the DWR in its review of the 2015 UWMP and WSCP sent an Advisory Letter to TWPD dated October 31, 2016 indicating that CWC 10608.20(e) required element had not been addressed according to the CWC and directed the TPWD to amend its 2015 UWMP to address this required element; and

WHEREAS, the TPWD has 120 days from the date the Advisory Letter was received to submit an amended and adopted UWMP to DWR; and

WHEREAS, the Board of Directors of TPWD has reviewed and considered the purposes and requirements of the Urban Water Management Planning Act and the Water Conservation Act of 2009, the contents of the amendments to the 2015 UWMP and WSCP, the documentation contained in the administrative record in support of the 2015 UWMP and WSCP, and all public and agency input received with regard to the 2015 UWMP and WSCP, and has determined that the factual analyses and conclusions set forth in the amended 2015 UWMP and WSCP are supported by substantial evidence

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of the Twentynine Palms Water District as follows:


1. The TPWD Board of Directors hereby approves and adopts the amended 2015 Urban Water Management for Twentynine Palms Water District and the Water Shortage Contingency Plan (2016) ordered filed with the Secretary of the Board.
2. The General Manager is hereby authorized and directed to include a copy of this Resolution in the amended 2015 Urban Water Management Plan for Twentynine Palms Water District and, in accordance with Water Code section 10644(a), to file the 2015 Urban Water Management Plan for Twentynine Palms Water District with the California Department of Water Resources, the California State Library, and any city or county within which the TPWD provides water supplies within thirty (30) days of this adoption date.
3. The General Manager is hereby authorized and directed, in accordance with Water Code section 10645, to make the 2015 Urban Water Management Plan for Twentynine Palms Water District

available for public review during normal business hours not later than thirty (30) days after filing a copy thereof with the California Department of Water Resources.

4. The General Manager is hereby authorized and directed, in accordance with Water Code section 10635(b), to provide that portion of the 2015 Urban Water Management Plan for Twentynine Palms Water District prepared pursuant to Water Code section 10635(a) to any city or county within which the TPWD provides water supplies not later than sixty (60) days after filing a copy thereof with the California Department of Water Resources.
5. The General Manager is hereby authorized and directed to implement the components of the 2015 Urban Water Management Plan for Twentynine Palms Water District in accordance with the Urban Water Management Planning Act and the Water Conservation Act of 2009, including but not limited to, the TPWD's Water Conservation Programs and its Water Shortage Contingency Plan.
6. The General Manager is hereby authorized and directed to recommend to the Board of Directors additional steps necessary or appropriate to effectively carry out the implementation of the 2015 Urban Water Management Plan for Twentynine Palms Water District, the Urban Water Management Planning Act and the Water Conservation Act of 2009.

PASSED, APPROVED AND ADOPTED this 25th day of January 2017 by the following vote:

Ayes:
Noes:
Abstain:
Absent:

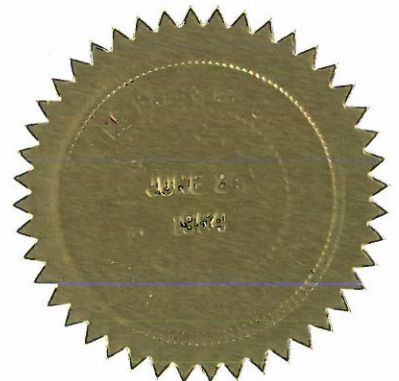


Keron E. Moore, President
Board of Directors

Attest:



Ray Kolisz, Board Secretary
Twentynine Palms Water District



Twentynine Palms Water District
Summary of the Amendments to 2015 Urban Water Management Plan

Contents

Revisions to Section 1.4.1 Public Water Systems – Updates Table 1-1 with total production for calendar year 2015.

Section 1.5.1.1 UWMP Plan Adoption and Amendment Process – Provides the external coordination and outreach timeline for the amendments to the Plan. Specifically notes that DWR in its original review of the UWMP determined that California Water Code (CWC) element 10608.20(e) and (h)(2) had not been addressed in accordance with the CWC; the year 2015 and the baseline historical water use values in the UWMP reported consumption values as opposed to the required gross water use production numbers which include losses. As such, the baseline water year calculations and SBX7-7 targets had to be recalculated with the corrected values. No other elements of the UWMP were found to be inconsistent with, or out of compliance with the CWC.

This has provided the District with an opportunity to enhance some elements of the UWMP based on comments received during and after the adoption of the Final Draft UWMP. As such, the District has also added clarifying information to the water supply discussion, particularly to address the status of the groundwater supply and the actions the District is taking to manage the declining groundwater levels in order to provide a sustainable supply to meet demands. While not required by DWR, the District made these additional edits for the benefit of the community and interested parties.

Revisions to Section 1.5.2 Public Outreach – Updates Table 1-3 with coordination/noticing of the amendments to the Plan.

Revisions to Section 1.7 Climate – Corrects the text to refer to the CIMIS Station in Joshua Tree to match data provided in Table 1-4.

Revisions to Section 2.3 Population – Updates Table 2-2 population estimate for the year 2015 from 14,586 to 14,985 persons.

Revisions to Section 2.4 Historical Water Use and Projected Water Use - Updates Table 2-4 with total consumption by land use category for calendar year 2015.

Revisions to Section 2.5.1 Historical Other Water Uses – Updates data in Table 2-7 and clarifies source of 2010 and 2015 water losses.

Revisions to Section 2.6.1 Base Daily Per Capita Water Use – Updates Table 2-9 with corrected 2008 total water deliveries in the amount of 3,146 AF.

Revisions to Section 2.6.1 Base Daily Per Capita Water Use – Updates discussion and Table 2-10 with gross production water use values (as opposed to total water deliveries) and corresponding per capita water use in gallons per capita per day (gpcd). As a result the 2015 actual compliance year water use changed from 136 gpcd to 143 gpcd. The selected 10-year average base daily water use changed from 158 gpcd to 178 gpcd. The selected 5-year average base daily water use changed from 152 gpcd to 171 gpcd.

Revisions to Section 2.6.2 Compliance Water Use Targets – Updates discussion and Table 2-11 with recalculated SBX7-7 targets using gross production water values (as opposed to total water deliveries) and based on revisions to Section 2.6.1. The maximum allowable water use

target changed from 144 gpcd to 163 gpcd. The 2020 Compliance Year Target changed from 144 gpcd to 163 gpcd. The 2015 Interim Compliance Year Target changed from 151 gpcd to 170 gpcd. The table was also edited to note the correct methodology used; Method No. 3 which is the 95% of the DWR 20x2020 Water Conservation Plan hydrologic region target.

Revisions to Section 2.7 Projected Water Use – Updates the projected demands in Table 2-12 as a result of the updated gpcd target.

Revisions to Section 2.7 Projected Water Use – Updates the projected demands in Table 2-14 from the updated Table 2-12 and adds in 2015 water losses of 293 AF.

Revisions to Section 2.7 Projected Water Use – Updates the projections of future lower-income household water use based on the updated demands in Table 2-12.

Revisions to Section 3.1 Overview – Provides additional information for the reader on previous investigations of the District's groundwater resources.

Revisions to Section 3.1 Overview – Corrects 2015 actual water use data in Table 3-1 to be actual gross production including losses in the amount of 2,404 AF. Identifies plans for a new groundwater well to replace the lost capacity from removing Wells No. 9 and 11 from service.

Revisions to Section 3.3.2 Joshua Tree Basin – Clarifies that the basin areas relied upon by the Joshua Basin Water District and the District are separated by an unnamed fault, and therefore the District does not have access to the entirety of the Joshua Tree Basin, only to the three subbasins overlain by the District.

Revisions to Section 3.3.4 Groundwater Supply Reliability – Provides additional discussion on recharge to the basin.

Revisions to Section 3.3.5 Historical Groundwater Pumping – Corrects 2008 historical water production in Table 3-2 from 3,416 AF to 3,146 AF. Corrects 2015 actual water use data to 2,404 AF.

Revisions to Section 3.3.5 Historical Groundwater Pumping – Corrects 2015 actual production in Table 3-3 for calendar year 2015 by subbasin.

Revisions to Section 3.3.6 Projected Groundwater Pumping – Clarifies the DWR recommended pumping limit for the Fortynine Palms and Indian Coves subbasin. Identifies plans for a new groundwater well to replace the lost capacity from removing Wells No. 9 and 11 from service. Confirms planned pumping will still be within recommended pumping limits. Updates projected groundwater pumping by subbasin in Table 3-5.

Revisions to Section 3.7 Planned Water Supply Projects and Programs – Identifies plans for a new groundwater well to replace the lost capacity from removing Wells No. 9 and 11 from service.

Revisions to Section 5.3 Water Quality Impacts on Reliability – Clarifies the potential impact on the District's groundwater supply as a result of water quality impacts in the text and in Table 5-1.

Revisions to Sections 6.2.1 – 6.2.3 Normal, Single-Dry, and Multiple-Dry Water Year – Updates demand numbers in Tables 6-2, 6-3, and 6-4 and recalculates supply and demand comparisons.

Revisions to Section 8.8 Minimum Water Supply Available During Next Three Years -
 Corrects 2015 actual water use data in Table 8-5, assumed to be worst case scenario for years 2016, 2017, and 2018 to be actual gross production including losses in the amount of 2,404 AF.

References – adds the following document to the reference list: Nishikawa et al. "Evaluation of Geohydrologic Framework, Recharge Estimates, and Ground-Water Flow of the Joshua Tree Area, San Bernardino County, California." United States Geological Survey. 2004.

Appendices

Addition to Appendix B (Public Outreach) to the Plan - Notification emails and public hearing notice for the Plan amendments and the Resolution to adopt Plan amendments (additions not provided with this amendment summary, please see Amended UWMP).

Appendix D (DWR Population Tool) – Provides an updated population assessment using the DWR Population Tool correcting the population for the year 2015 (additions not provided with this amendment summary, please see Amended UWMP).

Appendix F (DWR Tables) – Provides updated DWR SBX7-7 and Standardized Tables to correct data as mentioned above. See below.

Twentynine Palms Water District 2015 Amended UWMP Standard Tables

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
3610049	TPWD	6,759	2,404
TOTAL		6,759	2,404
NOTES: See "Table 1-1: Retail Public Water System" in TPWD 2015 UWMP.			

Table 2-2: Plan Identification

Select Only One	Type of Plan	Name of RUWMP or Regional Alliance if applicable <i>drop down list</i>
<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	
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)	
<p>NOTES: See Section 1.3 in TPWD 2015 UWMP.</p>		

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 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: See Section 1.4.2 in TPWD 2015 UWMP.	

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>
NOTES: District does not have a wholesale supplier.

Table 3-1 Retail: Population - Current and Projected

Population Served	2015	2020	2025	2030	2035	2040(opt)
	14,985	24,328	27,411	30,494	33,578	36,661

NOTES: See "Table 2-2: Historical Population Estimates" and "Table 2-3: Projected Population Estimates" in TPWD 2015 UWMP.

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

Use Type <i>(Add additional rows as needed)</i>	2015 Actual		
<i>Drop down list</i> <i>May select each use multiple times</i> <i>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	1,429
Multi-Family		Drinking Water	335
Commercial		Drinking Water	232
Industrial		Drinking Water	0
Landscape		Drinking Water	114
Losses			293
Other	Fire Protection/ Non-potable	Raw Water	1
TOTAL			2,404

NOTES: See "Table 2-4: Historical Water Use (AF)" and "Table 2-7: Historical "Other" Water Uses (AF)" in TPWD 2015 UWMP.

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>				
		2020	2025	2030	2035	2040-opt
Drop down list <i>May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>						
Single Family		3,528	3,975	4,422	4,869	5,316
Multi-Family		651	733	816	898	981
Commercial		199	224	250	275	300
Industrial		0	0	0	0	0
Landscape		20	22	25	27	30
Other	Fire Protection/ Non Potable	45	50	56	62	67
Losses		293	293	293	293	293
TOTAL		4,736	5,297	5,862	6,424	6,987
NOTES: See "Table2-12: Projected Water Demands" in TPWD 2015 UWMP and Table 2-7, "Historical "Other" Water Uses."						

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>	2,404	4,736	5,297	5,862	6,424	6,987
Recycled Water Demand* <i>From Table 6-4</i>	0	0	0	0	0	0
TOTAL WATER DEMAND	2,404	4,736	5,297	5,862	6,424	6,987
<i>*Recycled water demand fields will be blank until Table 6-4 is complete.</i>						
NOTES:						

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss*
01/2014	246
* Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.	
NOTES: See "Table 2-6: Unaccounted-For Water Losses Within the District (AF)" in TPWD 2015 UWMP. Reported volume is for calendar year 2014. 2015 reported loss were 293 AF, see Table 2-7.	

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>	No
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.	
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes
NOTES:	

Table 5-1 Baselines and Targets Summary					
<i>Retail Agency or Regional Alliance Only</i>					
Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1995	2004	178	170	163
5 Year	2003	2007	171		
*All values are in Gallons per Capita per Day (GPCD)					
NOTES: See "Table 2-9: Baseline Period Ranges" and "Table 2-11: Components of Target Daily Per Capita Water Use" in TPWD 2015 UWMP.					

Table 5-2: 2015 Compliance								
<i>Retail Agency or Regional Alliance Only</i>								
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*		
143	170				0	143	143	Yes
*All values are in Gallons per Capita per Day (GPCD)								
NOTES: See "Table 2-10: Baseline Water Use" and "Table 2-11: Components of Target Daily Per Capita Water Use" in TPWD 2015								

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. 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	Mesquite Springs Basin	1127	1167	1133	1110	1096
Alluvial Basin	Fortynine Palms Subbasin	1102	1011	1006	987	784
Alluvial Basin	Eastern Subbasin	329	310	292	258	228
Alluvial Basin	Indian Cove Subbasin	447	441	411	382	296
TOTAL		3,005	2,929	2,842	2,737	2,404
NOTES: See "Table 3-3: Historical Amount of Groundwater Pumped" in TPWD 2015 UWMP.						

Table 6-2 Retail: Wastewater Collected Within Service Area in 2015						
<input checked="" 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 (optional)						
Percentage of 2015 service area population covered by wastewater collection system (optional)						
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <small>Drop Down List</small>	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? <small>Drop Down List</small>	Is WWTP Operation Contracted to a Third Party? (optional) <small>Drop Down List</small>
<i>Add additional rows as needed</i>						
Total Wastewater Collected from Service Area in 2015:		0				
NOTES:						

Table 6-3 Retail: 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 (optional) <small>Drop down list</small>	Method of Disposal <small>Drop down list</small>	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level <small>Drop down list</small>	2015 volumes				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	
<i>Add additional rows as needed</i>											
							Total	0	0	0	0
NOTES:											

Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area								
<input checked="" 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:								
Name of Agency Operating the Recycled Water Distribution System:								
Supplemental Water Added in 2015:								
Source of 2015 Supplemental Water:								
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment <small>Drop down list</small>	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irrigation								
Landscape irrigation (excludes golf courses)								
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:	0	0	0	0	0
*IPR = Indirect Potable Reuse								
NOTES:								

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual			
<input checked="" 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			
Recreational impoundment			
Wetlands or wildlife habitat			
Groundwater recharge (IPR)			
Surface water augmentation (IPR)			
Direct potable reuse			
Other	Type of Use		
Total		0	0
NOTES:			

Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
<input checked="" 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>			
Total			0
NOTES:			

Table 6-7 Retail: 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 <i>Drop Down List</i>	Expected Increase in Water Supply to Agency <i>This may be a range</i>
	<i>Drop Down List (Yes/No)</i>	<i>Yes/Agency Name</i>				
<i>Add additional rows as needed</i>						
NOTES:						

Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
<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>		Actual Volume	Water Quality <i>Drop Down List</i>	Total Right or Safe Yield <i>(optional)</i>
<i>Add additional rows as needed</i>				
Groundwater	Supplier Produced	2,404	Drinking Water	
Total		2,404		0
NOTES: See "Table 3-1: Existing and Planned Water Supplies" in TPWD 2015 UWMP.				

Table 6-9 Retail: Water Supplies — Projected

Water Supply <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>	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)
Groundwater	Mesquite Lake and Joshua Tree Basins	6,995		6,995		6,995		6,995		6,995	
Total		6,995	0	6,995	0	6,995	0	6,995	0	6,995	0

NOTES: See "Table 3-1: Existing and Planned Water Supplies" in TPWD 2015 UWMP.

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	2007	6995	100%
Single-Dry Year	1977	6995	
Multiple-Dry Years 1st Year	2008	6995	
Multiple-Dry Years 2nd Year	2008	6995	
Multiple-Dry Years 3rd Year	2008	6995	
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: See Tables 6-2, 6-3, and 6-4.

Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals (autofill from Table 6-9)	6,995	6,995	6,995	6,995	6,995
Demand totals (autofill from Table 4-3)	4,736	5,297	5,862	6,424	6,987
Difference	2,259	1,698	1,133	571	8
NOTES:					

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals	6,995	6,995	6,995	7,066	7,686
Demand totals	5,209	5,828	6,447	7,066	7,686
Difference	1,786	1,167	548	0	0
NOTES: See "Table 6-3: Supply and Demand Comparison - Single-Dry Year" in TPWD 2015 UWMP.					

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	6,995	6,995	6,995	6,995	7,225
	Demand totals	4,896	5,478	6,060	6,642	7,225
	Difference	2,099	1,517	935	353	0
Second year	Supply totals	6,995	6,995	6,995	6,995	7,225
	Demand totals	4,896	5,478	6,060	6,642	7,225
	Difference	2,099	1,517	935	353	0
Third year	Supply totals	6,995	6,995	6,995	6,995	7,225
	Demand totals	4,896	5,478	6,060	6,642	7,225
	Difference	2,099	1,517	935	353	0
Fourth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Fifth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Sixth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
NOTES: See "Table 6-4: Supply and Demand Comparison - Multiple-Dry Year" in TPWD 2015 UWMP.						

Table 8-1 Retail Stages of Water Shortage Contingency Plan		
Stage	Complete Both	
	Percent Supply Reduction¹ <i>Numerical value as a percent</i>	Water Supply Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>		
1	10%	Voluntary or Mandatory at Board Discretion
2	20%	Voluntary or Mandatory at Board Discretion
3	30%	Mandatory
4	40%	Mandatory
5	50%	Mandatory
¹ One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.		
NOTES: See "Table 8-1: Rationing and Reduction Goals" in TPWD 2015 UWMP.		

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>			
All Stages	Landscape - Restrict or prohibit runoff from landscape irrigation	Water waste is prohibited at all times. Water waste includes but is not limited to the application of potable water to outdoor landscapes in a manner that causes runoff.	Yes
All Stages	Landscape - Other landscape restriction or prohibition	Watering of outdoor landscapes within 48 hours of measurable rainfall.	Yes
All Stages	Other	Water for construction purposes, including but not limited to debrushing of vacant land, compaction of fills and pads, trench backfill and other construction uses shall be in an efficient manner.	Yes
All Stages	Other	All new construction including residential, commercial and industrial, shall be equipped with low flow toilets and fixtures.	Yes

All Stages	Other	All new homes and commercial and industrial development, when landscaped, shall include a predominance of low water use, drought tolerant or native plant material, and utilize drip irrigation systems.	Yes
All Stages	Other	Dedicated (separate) landscape meters shall be installed for all irrigated landscape areas in excess of 2500 square feet except for single family residences.	Yes
All Stages	Other	Water used for cooling systems must be recycled to the extent possible.	Yes
All Stages	Other	Evaporation resistant covers are required for all new swimming pools and hot tubs.	Yes
1	Other - Prohibit use of potable water for washing hard surfaces	No hosing of hardscape surfaces, except where health and safety needs dictate.	Yes
1	Other	No car washing or outside cleaning activities except when performed with buckets and automatic hose shutoff devices.	Yes
1	CII - Restaurants may only serve water upon request	No serving of drinking water other than upon request in eating or drinking establishments.	Yes

1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Customer leaks shall be repaired in a timely manner, but in no more than 48 hours, and sprinklers shall be adjusted to eliminate over-spray.	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. The hotel or motel shall prominently display notice of this option in each guestroom.	Yes
2	Other	All restrictions/prohibitions from Stage I are in effect and become mandatory	Yes
2	Landscape - Limit landscape irrigation to specific times	No landscape watering between the hours of 0800 and 1700 hours	Yes
2	Landscape - Limit landscape irrigation to specific days	Outdoor watering is limited to 3 days per week.	Yes
3	Other	All restrictions/prohibitions from Stage I and Stage II are in effect and are mandatory	Yes
3	Landscape - Other landscape restriction or prohibition	Irrigation with potable water or ornamental turf on public street medians is prohibited.	Yes
3	Landscape - Limit landscape irrigation to specific days	Outdoor watering is limited to 2 days per week.	Yes

4	Other	All restrictions/prohibitions from Stage I, Stage II, and Stage III are in effect and are mandatory.	Yes
4	Other	Issuance of new meters will cease.	Yes
4	Other	Use of construction meters is prohibited.	Yes
4	Water Features - Restrict water use for decorative water features, such as fountains	Water cannot be used to operate fountains, reflection ponds and decorative water bodies for aesthetic or scenic purposes, except where necessary to support aquatic life.	Yes
4	Other	Should the District implement allocation limits (see section 7.6.1), the filling of swimming pools, spas, hot tubs or the draining and refilling of all swimming pools, spas, hot tubs is prohibited. Topping off is allowed to the extent that the designated water allocation is not exceeded.	Yes
5	Other	All restrictions/prohibitions from Stage I, Stage II, Stage III, and Stage IV are in effect and are mandatory.	Yes
5	Landscape - Prohibit all landscape irrigation	Outdoor irrigation is prohibited.	Yes
NOTES: See "Table 8-2: Prohibitions During Different Shortage Stages" in TPWD 2015 UWMP.			

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>		
City of Twentynine Palms	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
County Name <small>Drop Down List</small>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
San Bernardino County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
See "Table 1-2: Agency Coordination" in TPWD 2015 UWMP.		

Twentynine Palms Water District 2015 Amended UWMP SBX7-7 Verification Tables

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>
NOTES:

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	3,146	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	1995	
	Year ending baseline period range ³	2004	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range ⁴	2007	
¹ 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.			
² 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.			
³ The ending year must be between December 31, 2004 and December 31, 2010.			
⁴ The ending year must be between December 31, 2007 and December 31, 2010.			
NOTES: See Table 2-9, "Baseline Period Ranges."			

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population (may check more than one)	
<input type="checkbox"/>	1. Department of Finance (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input type="checkbox"/>	2. Persons-per-Connection Method
<input checked="" type="checkbox"/>	3. DWR Population Tool
<input type="checkbox"/>	4. Other DWR recommends pre-review
NOTES: See Appendix D.	

SB X7-7 Table 3: Service Area Population

Year	Population	
10 to 15 Year Baseline Population		
Year 1	1995	15,908
Year 2	1996	14,918
Year 3	1997	15,179
Year 4	1998	15,433
Year 5	1999	15,634
Year 6	2000	15,846
Year 7	2001	15,858
Year 8	2002	15,859
Year 9	2003	15,865
Year 10	2004	16,225
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	15,865
Year 2	2004	16,225
Year 3	2005	17,061
Year 4	2006	17,662
Year 5	2007	17,859
2015 Compliance Year Population		
2015		14,985
NOTES: See Table 2-10, "Baseline Water Use."		

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>	
10 to 15 Year Baseline - Gross Water Use							
Year 1	1995	3,013			-	-	3,013
Year 2	1996	3,145			-	-	3,145
Year 3	1997	2,927			-	-	2,927
Year 4	1998	2,993			-	-	2,993
Year 5	1999	3,013			-	-	3,013
Year 6	2000	3,248			-	-	3,248
Year 7	2001	3,105			-	-	3,105
Year 8	2002	3,416			-	-	3,416
Year 9	2003	3,200			-	-	3,200
Year 10	2004	3,203			-	-	3,203
Year 11	0	-			-	-	-
Year 12	0	-			-	-	-
Year 13	0	-			-	-	-
Year 14	0	-			-	-	-
Year 15	0	-			-	-	-
10 - 15 year baseline average gross water use							3,126
5 Year Baseline - Gross Water Use							
Year 1	2003	3,200			-	-	3,200
Year 2	2004	3,203			-	-	3,203
Year 3	2005	3,152			-	-	3,152
Year 4	2006	3,340			-	-	3,340
Year 5	2007	3,328			-	-	3,328
5 year baseline average gross water use							3,245
2015 Compliance Year - Gross Water Use							
2015		2,404	-		-	-	2,404
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3							
NOTES: See Table 2-10, "Baseline Water Use."							

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source		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	1995	3,013		3,013
Year 2	1996	3,145		3,145
Year 3	1997	2,927		2,927
Year 4	1998	2,993		2,993
Year 5	1999	3,013		3,013
Year 6	2000	3,248		3,248
Year 7	2001	3,105		3,105
Year 8	2002	3,416		3,416
Year 9	2003	3,200		3,200
Year 10	2004	3,203		3,203
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-
5 Year Baseline - Water into Distribution System				
Year 1	2003	3,200		3,200
Year 2	2004	3,203		3,203
Year 3	2005	3,152		3,152
Year 4	2006	3,340		3,340
Year 5	2007	3,328		3,328
2015 Compliance Year - Water into Distribution System				
2015		2,404		2,404
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES:				

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)
10 to 15 Year Baseline GPCD			
Year 1	1995	15,908	169
Year 2	1996	14,918	188
Year 3	1997	15,179	172
Year 4	1998	15,433	173
Year 5	1999	15,634	172
Year 6	2000	15,846	183
Year 7	2001	15,858	175
Year 8	2002	15,859	192
Year 9	2003	15,865	180
Year 10	2004	16,225	176
Year 11	0	-	-
Year 12	0	-	-
Year 13	0	-	-
Year 14	0	-	-
Year 15	0	-	-
10-15 Year Average Baseline GPCD			178
5 Year Baseline GPCD			
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	2003	15,865	180
Year 2	2004	16,225	176
Year 3	2005	17,061	165
Year 4	2006	17,662	169
Year 5	2007	17,859	166
5 Year Average Baseline GPCD			171
2015 Compliance Year GPCD			
2015	14,985	2,404	143
NOTES: See Table 2-10, "Baseline Water Use."			

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

10-15 Year Baseline GPCD	178
5 Year Baseline GPCD	171
2015 Compliance Year GPCD	143
NOTES:	

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
NOTES:	

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 type="checkbox"/>		South Coast	149	142
<input checked="" type="checkbox"/>	100%	Colorado River	211	200
Target <i>(if more than one region is selected, this value is calculated.)</i>				200
NOTES:				

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
171	163	163	163
¹ Maximum 2020 Target is 95% of the 5 Year Baseline GPCD ² 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.			
NOTES: See Table 2-11, "Components of Target Daily Per Capita Water Use."			

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
163	178	170

NOTES: See Table 2-11, "Components of Target Daily Per Capita Water Use."

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				
143	170	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	-	143	143	YES

NOTES: