Appendix C. DWR UWMP Checklist and Formatted Tables

This page is intentionally blank.

Submittal Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
Add additional rows as needed			
CA3710002	Vallecitos Water District	22,522	4,835
	TOTAL	22,522	4,835
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*			
NOTES:			

Submittal Table 2-2: Plan Identification			
Select Only One	**Type of Plan**		**Name of RUWMP or Regional Alliance** *if applicable* (select from drop down list)
☑	**Individual UWMP**		
	☐	Water Supplier is also a member of a RUWMP	
	☑	Water Supplier is also a member of a Regional Alliance	Olivenhain Regional Alliance
☐	**Regional Urban Water Management Plan (RUWMP)**		
NOTES:			

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
☐	Supplier is a wholesaler
☑	Supplier is a retailer
Fiscal or Calendar Year (select one)	
☑	UWMP Tables are in calendar years
☐	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	MG
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*	
NOTES:	

Submittal 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 Water Code Section 10631.
Wholesale Water Supplier Name
Add additional rows as needed
San Diego County Water Authority
NOTES:

Submittal Table 3-1 Retail: Population - Current and Projected						
Population Served	2020	2025	2030	2035	2040	2045*(opt)*
	105,741	108,371	110,484	111,370	120,813	127,195
NOTES: As estimated by the San Diego Association of Governments using Series 14 Growth Forecast (version 17) population data and data received by SDCWA.						

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable[1] Water - Actual			
Use Type	2020 Actual		
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume[2]
Add additional rows as needed			
Single Family		Drinking Water	2,135
Multi-Family		Drinking Water	741
Commercial		Drinking Water	342
Industrial		Drinking Water	40
Landscape		Drinking Water	841
Agricultural irrigation		Drinking Water	201
Losses	Losses, Oper/Emerg Use	Drinking Water	400
Other Potable	Fire Lines	Drinking Water	89
Other Potable	Construction Water	Drinking Water	24
Other Potable	Unmetered Unbilled	Drinking Water	22
		TOTAL	4,835

[1] *Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.*

[2] *Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: The volumes for real losses, apparent losses and unmetered unbilled demands were generated using the AWWA Water Audit Software.

Submittal Table 4-2 Retail: Use for Potable and Non-Potable[1] Water - Projected						
Use Type	Additional Description (as needed)	Projected Water Use[2] *Report To the Extent that Records are Available*				
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2025	2030	2035	2040	2045 (opt)
Add additional rows as needed						
Single Family		2,803	2,911	3,023	3,235	3,557
Multi-Family		973	1,010	1,049	1,123	1,235
Commercial		448	466	484	517	569
Industrial		53	55	57	61	67
Landscape		1,105	1,147	1,191	1,275	1,402
Agricultural irrigation		263	274	284	304	334
Losses	Real Losses	525	545	566	606	666
Other Potable	Fire Lines	117	122	127	136	149
Other Potable	Construction Water	31	33	34	36	40
Other Potable	Unmetered Unbilled	29	30	31	33	36
	TOTAL	6,347	6,593	6,846	7,326	8,055

[1] *Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.* [2] *Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)						
	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable *From Tables 4-1R and 4-2 R*	4,835	6,347	6,593	6,846	7,326	8,055
Recycled Water Demand[1] *From Table 6-4*	0	471	471	471	771	771
Optional Deduction of Recycled Water Put Into Long-Term Storage[2]						
TOTAL WATER USE	4,835	6,818	7,064	7,317	8,097	8,826

[1] Recycled water demand fields will be blank until Table 6-4 is complete *[2] Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier **may** deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.*

NOTES: Projected recycled water demands taken from the North San Diego Water Reuse Coalition's Regional Recycled Water Facilities Plan, revised on February 6, 2013.

Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss [1,2]
01/2016	285
01/2017	454
01/2018	221
01/2019	266
01/2020	396
[1] *Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.* [2] ***Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*	
NOTES:	

Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) *Drop down list (y/n)*	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.	
Are Lower Income Residential Demands Included In Projections? *Drop down list (y/n)*	Yes
NOTES:	

Submittal Table 5-1 Baselines and Targets Summary
From SB X7-7 Verification Form
Retail Supplier or Regional Alliance Only

Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	*1999*	*2008*	*199*	*159*
5 Year	*2004*	*2008*	*198*	

**All cells in this table should be populated manually from the supplier's SBX7-7 Verification Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:

Submittal Table 5-2: 2020 Compliance **From** **SB X7-7 2020 Compliance Form** *Retail Supplier or Regional Alliance Only*				
2020 GPCD				
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* *(Adjusted if applicable)*	2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
125	*0*	*125*	*159*	*Yes*
**All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)*				
NOTES:				

Submittal Table 6-1 Retail: Groundwater Volume Pumped						
☑	Supplier does not pump groundwater. The supplier will not complete the table below.					
☐	All or part of the groundwater described below is desalinated.					
Groundwater Type ***Drop Down List*** *May use each category multiple times*	Location or Basin Name	2016*	2017*	2018*	2019*	2020*
Add additional rows as needed						
	TOTAL	0	0	0	0	0
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*						
NOTES:						

Submittal Table 6-2 Retail: Wastewater Collected Within Service Area in 2020						
☐	There is no wastewater collection system. The supplier will not complete the table below.					
53	Percentage of 2020 service area covered by wastewater collection system *(optional)*					
90	Percentage of 2020 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? *Drop Down List*	Volume of Wastewater Collected from UWMP Service Area 2020 *	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? *Drop Down List*	Is WWTP Operation Contracted to a Third Party? *(optional)* *Drop Down List*
Vallecitos Water District	Metered	630	Vallecitos Water District	Meadowlark Water Reclamation Facility	Yes	No
Vallecitos Water District	Metered	1,688	Vallecitos Water District	Encina Water Pollution Control Agency	No	No
Total Wastewater Collected from Service Area in 2020:		2,318				
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3* **.**						
NOTES:						

Submittal Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2020

☐ **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)* [2]	Method of Disposal *Drop down list*	Does This Plant Treat Wastewater Generated Outside the Service Area? *Drop down list*	Treatment Level *Drop down list*	2020 volumes [1]				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
Meadowlark Water Recycling Facility	Encina Wastewater Authority	Ocean outfall of the Encina Water Pollution Control Facility	9 000000030	Ocean outfall	No	Tertiary	630	112	0	518	0
						Total	630	112	0	518	0

[1] **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.

[2] If the **Wastewater Discharge ID Number** is not available to the UWMP preparer, access the SWRCB CIWQS regulated facility website at https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility

NOTES:

Submittal Table 6-4 Retail: Recycled Water Direct Beneficial Uses Within Service Area

☐ 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 Supplier Producing (Treating) the Recycled Water:	Vallecitos Water District and City of Escondido
Name of Supplier Operating the Recycled Water Distribution System:	Vallecitos Water District
Supplemental Water Added in 2020 (volume) *Include units*	None
Source of 2020 Supplemental Water	N/A

Beneficial Use Type *Insert additional rows if needed.*	**Potential** Beneficial Uses of Recycled Water (Describe)	Amount of **Potential** Uses of Recycled Water (Quantity) *Include volume units* [1]	General Description of 2020 Uses	Level of Treatment *Drop down list*	2020 [1]	2025 [1]	2030 [1]	2035 [1]	2040 [1]	2045 [1] (opt)
Agricultural irrigation										
Landscape irrigation (exc golf courses)			Currently no recycled water use	Tertiary	0	305	305	305	478	478
Golf course irrigation			Currently no recycled water use	Tertiary	0	166	166	166	293	293
Commercial use										
Industrial use										
Geothermal and other energy production										
Seawater intrusion barrier										
Recreational impoundment										
Wetlands or wildlife habitat										
Groundwater recharge (IPR)										
Reservoir water augmentation (IPR)										
Direct potable reuse										
Other (Description Required)										
				Total:	0	471	471	471	771	771
				2020 Internal Reuse						

[1] ***Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Submittal Table 6-5 Retail: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual

☐	Recycled water was not used in 2015 nor projected for use in 2020. The supplier will not complete the table below. If recycled water was not used in 2020, and was not predicted to be in 2015, then check the box and do not complete the table.

Beneficial Use Type	2015 Projection for 2020 [1]	2020 Actual Use[1]
Insert additional rows as needed.		
Agricultural irrigation		
Landscape irrigation (exc golf courses)	471	0
Golf course irrigation		
Commercial use		
Industrial use		
Geothermal and other energy production		
Seawater intrusion barrier		
Recreational impoundment		
Wetlands or wildlife habitat		
Groundwater recharge (IPR)		
Reservoir water augmentation (IPR)		
Direct potable reuse		
Other (Description Required)		
Total	471	0

[1] **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.

NOTE:

Submittal Table 6-6 Retail: 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 *
Add additional rows as needed			
North San Diego Water Reclamation Coalition	Regional Recycled Water Facilities Plan - Short Term Demand Projections	2025	471
North San Diego Water Reclamation Coalition	Regional Recycled Water Facilities Plan - Long Term Demand Projections	2035	300
		Total	771
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*			
NOTES:			

Submittal Table 6-7 Retail: Expected Future Water Supply Projects or Programs						
☐	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.					
☐	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 suppliers?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type *Drop Down List*	Expected Increase in Water Supply to Supplier* *This may be a range*
	Drop Down List (y/n)	*If Yes, Supplier Name*				
Add additional rows as needed						
Expansion of the Meadowlark Water Recycling Facility	Yes	North County Recycled Water Coalition	Expansion of the treatment plant's capacity from 5 MGD to 6.5 MGD	2030	All Year Types	550 MG per year
Recycled Water from the Hale Avenue Resource Recovery Facility	Yes	North County Recycled Water Coalition	Purchase of Recycled Water from the City of Escondido	2030	All Year Types	40 MG to 771 MG per year
North County One Water Program	Yes	Encina Wastewater Authority and San Elijo Joint Powers Authority	Advanced water purification at the EWPCF and SEWRF	2030	All Year Types	717 MG to 1,792 MG per year
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*						
NOTES:						

Submittal Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2020		
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		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Purchased or Imported Water	From the San Diego County Water Authority	3,722	Drinking Water	N/A
Desalinated Water - Surface Water	As a local water supply owned by VWD through a Water Purchase Agreement with SDCWA	1,113	Drinking Water	N/A
	Total	4,835		0
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*				
NOTES:				

Submittal Table 6-9 Retail: Water Supplies — Projected

Water Supply	Additional Detail on Water Supply	Projected Water Supply * Report To the Extent Practicable									
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		**2025**		**2030**		**2035**		**2040**		**2045** (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)
Add additional rows as needed											
Purchased or Imported Water	SDCWA	4,554		4,828		5,042		5,462		6,161	
Desalinated Water - Surface Water	As a local water supply owned by VWD through a Water Purchase Agreement with SDCWA	1,140		1,140		1,140		1,140		1,140	
Recycled Water	From the Meadowlark Water Recycling Facility and/or City of Escondido	471		471		471		771		771	
	Total	6,165	0	6,439	0	6,653	0	7,373	0	8,072	0

Units of measure (AF, CCF, MG) *must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES

Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)			
Year Type	**Base Year** If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020	**Available Supplies if Year Type Repeats**	
		☐	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		☑	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available *	**% of Average Supply**
Average Year	1986-2018		100%
Single-Dry Year	2015		100%
Consecutive Dry Years 1st Year	2011		100%
Consecutive Dry Years 2nd Year	2012		100%
Consecutive Dry Years 3rd Year	2013		100%
Consecutive Dry Years 4th Year	2014		100%
Consecutive Dry Years 5th Year	2015		100%

Supplier 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 a Supplier 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.

***Units of measure (AF, CCF, MG**) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: Water years are in calendar years.

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 *(Opt)*
Supply totals *(autofill from Table 6-9)*	6,165	6,439	6,653	7,373	8,072
Demand totals *(autofill from Table 4-3)*	6,818	7,064	7,317	8,097	8,826
Difference	(653)	(625)	(664)	(724)	(754)
NOTES: SDCWA supplies assume member agency demands on SDCWA are inclusive of conservation. District demand projections do not include conservation. The District will incorporate active and passive conservation savings to mitigate potential supply shortages.					

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	7,296	7,558	7,828	8,663	9,444
Demand totals*	7,296	7,558	7,828	8,663	9,444
Difference	0	0	0	0	0
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*					
NOTES: Based on modeling performed by SDCWA, demands would increase by 7 percent in a single dry year; therefore, VWD would purchase additional supplies from SDCWA to meet increased demands. Per information from the SDCWA 2020 UWMP, it is anticipated that purchased water would					

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	7,296	7,558	7,828	8,663	9,444
	Demand totals	7,296	7,558	7,828	8,663	9,444
	Difference	0	0	0	0	0
Second year	Supply totals	7,364	7,628	7,901	8,744	9,532
	Demand totals	7,364	7,628	7,901	8,744	9,532
	Difference	0	0	0	0	0
Third year	Supply totals	7,364	7,628	7,901	8,744	9,532
	Demand totals	7,364	7,628	7,901	8,744	9,532
	Difference	0	0	0	0	0
Fourth year	Supply totals	7,432	7,699	7,975	8,825	9,620
	Demand totals	7,432	7,699	7,975	8,825	9,620
	Difference	0	0	0	0	0
Fifth year	Supply totals	7,432	7,699	7,975	8,825	9,620
	Demand totals	7,432	7,699	7,975	8,825	9,620
	Difference	0	0	0	0	0
Sixth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*						
NOTES: Based on modeling data from SDCWA, demands would increase to 107 percent of normal in the first year, 108 percent of normal in the second and third years, and 109 percent of normal in the fourth and fifth years of a multiple dry-year period; therefore, VWD would purchase additional supplies from SDCWA to meet increased demands.						

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)

2021	Total
Total Water Use	5,222
Total Supplies	5,222
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2022	Total
Total Water Use	5,416
Total Supplies	5,416
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2023	Total
Total Water Use	5,609
Total Supplies	5,609
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2024	Total
Total Water Use	5,803
Total Supplies	5,803
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

2025	Total
Total Water Use	6,044
Total Supplies	6,044
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

Submittal Table 8-1 Water Shortage Contingency Plan Levels		
Shortage Level	**Percent Shortage Range**	**Shortage Response Actions** **(*Narrative description)***
1	Up to 10%	Stage 1: Standard Operating Condition
2	Up to 20%	Stage 2: Drought Watch Condition
3	Up to 30%	Stage 3: Board Declared Emergency Action
4	Up to 40%	Stage 4: Drought Critical Condition
5	Up to 50%	Stage 5: State and Board Declared Extreme Emergency Action
6	>50%	Stage 6: State and Board Declared Extreme Emergency Action
NOTES:		

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.*	How much is this going to reduce the shortage gap? *Include units used (volume type or percentage)*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? ***For Retail Suppliers Only*** *Drop Down List*
Add additional rows as needed				
hortage Level 1				
hortage Level	Landscape - Restrict or prohibit runoff from landscape irrigation	20%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific times	20%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific days	20%		Yes
hortage Level	Landscape - Prohibit certain types of landscape irrigation	20%		Yes
hortage Level	Landscape - Other landscape restriction or prohibition	20%	Prohibit irrigation 48 hours after rain	Yes
hortage Level	Landscape - Other landscape restriction or prohibition	20%		Yes
hortage Level	CII - Lodging establishment must offer opt out of linen service	20%		Yes
hortage Level	CII - Restaurants may only serve water upon request	20%		Yes
hortage Level	Water Features - Restrict water use for decorative water features, such as fountains	20%		Yes
hortage Level	Other water feature or swimming pool restriction	20%		Yes
hortage Level	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	20%		Yes
hortage Level	Other - Require automatic shut of hoses	20%		Yes
hortage Level	Other - Prohibit use of potable water for construction and dust control	20%		Yes
hortage Level	Other - Prohibit use of potable water for washing hard surfaces	20%		Yes
hortage Level	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	20%		Yes
hortage Level	Landscape - Restrict or prohibit runoff from landscape irrigation	30%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific times	30%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific days	30%		Yes
hortage Level	Landscape - Prohibit certain types of landscape irrigation	30%		Yes
hortage Level	Landscape - Other landscape restriction or prohibition	30%	Prohibit irrigation 48 hours after rain	Yes
hortage Level	Landscape - Other landscape restriction or prohibition	30%		Yes
hortage Level	CII - Lodging establishment must offer opt out of linen service	30%		Yes
hortage Level	CII - Restaurants may only serve water upon request	30%		Yes
hortage Level	Water Features - Restrict water use for decorative water features, such as fountains	30%		Yes
hortage Level	Other water feature or swimming pool restriction	30%		Yes
hortage Level	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	30%		Yes
hortage Level	Other - Require automatic shut of hoses	30%		Yes
hortage Level	Other - Prohibit use of potable water for construction and dust control	30%		Yes
hortage Level	Other - Prohibit use of potable water for washing hard surfaces	30%		Yes
hortage Level	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	30%		Yes
hortage Level	Landscape - Restrict or prohibit runoff from landscape irrigation	40%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific times	40%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific days	40%		Yes
hortage Level	Landscape - Prohibit certain types of landscape irrigation	40%		Yes

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.*	How much is this going to reduce the shortage gap? *Include units used (volume type or percentage)*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? ***For Retail Suppliers Only*** *Drop Down List*
hortage Level	Landscape - Other landscape restriction or prohibition	40%	Prohibit irrigation 48 hours after rain	Yes
hortage Level	Landscape - Other landscape restriction or prohibition	40%		Yes
hortage Level	CII - Lodging establishment must offer opt out of linen service	40%		Yes
hortage Level	CII - Restaurants may only serve water upon request	40%		Yes
hortage Level	Water Features - Restrict water use for decorative water features, such as fountains	40%		Yes
hortage Level	Other water feature or swimming pool restriction	40%		Yes
hortage Level	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	40%		Yes
hortage Level	Other - Require automatic shut of hoses	40%		Yes
hortage Level	Other - Prohibit use of potable water for construction and dust control	40%		Yes
hortage Level	Other - Prohibit use of potable water for washing hard surfaces	40%		Yes
hortage Level	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	40%		Yes
hortage Level	Landscape - Restrict or prohibit runoff from landscape irrigation	50%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific times	50%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific days	50%		Yes
hortage Level	Landscape - Prohibit certain types of landscape irrigation	50%		Yes
hortage Level	Landscape - Other landscape restriction or prohibition	50%	Prohibit irrigation 48 hours after rain	Yes
hortage Level	Landscape - Other landscape restriction or prohibition	50%		Yes
hortage Level	CII - Lodging establishment must offer opt out of linen service	50%		Yes
hortage Level	CII - Restaurants may only serve water upon request	50%		Yes
hortage Level	Water Features - Restrict water use for decorative water features, such as fountains	50%		Yes
hortage Level	Other water feature or swimming pool restriction	50%		Yes
hortage Level	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	50%		Yes
hortage Level	Other - Require automatic shut of hoses	50%		Yes
hortage Level	Other - Prohibit use of potable water for construction and dust control	50%		Yes
hortage Level	Other - Prohibit use of potable water for washing hard surfaces	50%		Yes
hortage Level	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	50%		Yes
hortage Level	Landscape - Restrict or prohibit runoff from landscape irrigation	>50%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific times	>50%		Yes
hortage Level	Landscape - Limit landscape irrigation to specific days	>50%		Yes
hortage Level	Landscape - Prohibit certain types of landscape irrigation	>50%		Yes
hortage Level	Landscape - Other landscape restriction or prohibition	>50%	Prohibit irrigation 48 hours after rain	Yes
hortage Level	Landscape - Other landscape restriction or prohibition	>50%		Yes
hortage Level	CII - Lodging establishment must offer opt out of linen service	>50%		Yes
hortage Level	CII - Restaurants may only serve water upon request	>50%		Yes
hortage Level	Water Features - Restrict water use for decorative water features, such as fountains	>50%		Yes
hortage Level	Other water feature or swimming pool restriction	>50%		Yes

Submittal Table 8-2: Demand Reduction Actions

Shortage Level	Demand Reduction Actions ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.*	How much is this going to reduce the shortage gap? *Include units used (volume type or percentage)*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? ***For Retail Suppliers Only*** *Drop Down List*
hortage Level	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	>50%		Yes
hortage Level	Other - Require automatic shut of hoses	>50%		Yes
hortage Level	Other - Prohibit use of potable water for construction and dust control	>50%		Yes
hortage Level	Other - Prohibit use of potable water for washing hard surfaces	>50%		Yes
hortage Level	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	>50%		Yes

NOTES:

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	How much is this going to reduce the shortage gap? *Include units used (volume type or percentage)*	Additional Explanation or Reference *(optional)*
Add additional rows as needed			
1			
2			
3	Stored Emergency Supply	4,562 MG[1]	SDCWA Carryover Storage Program
4	Stored Emergency Supply	4,562 MG[1]	SDCWA Carryover Storage Program
5	Other Actions (describe)		Locally appropriate supply augmentation as per SDCWA WSCP
5	Stored Emergency Supply	36 MG[2]	District emergency storage withdrawals
6	Other Actions (describe)		Locally appropriate supply augmentation as per SDCWA WSCP
6	Stored Emergency Supply	36 MG[2]	District emergency storage withdrawals

NOTES:

[1]Water to be partitioned between all SDCWA member agencies (14,000 acre-feet per year)

[2]Per the 2018 Master Plan, the District has an emergency criteria total of 300 percent of the average daily demand for emergency storage.

Table 8-4 is not applicable for the UWMP 2020.

Submittal Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Carlsbad	Yes	Yes
Escondido	Yes	Yes
Vista	Yes	Yes
San Marcos	Yes	Yes
County Name *Drop Down List*	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
San Diego County	Yes	Yes
NOTES:		

Urban Water Supplier: *Vallecitos Water District*

Water Delivery Product (If delivering more than one type of product use Table O-1C)

Retail Potable Deliveries

Table O-1A: Recommended Energy Reporting - Water Supply Process Approach

Enter Start Date for Reporting Period: 1/1/2020

End Date: 12/30/2020

☐ Is upstream embedded in the values reported?

	Water Volume Units Used	Urban Water Supplier Operational Control: Water Management Process: Extract and Divert	Place into Storage	Conveyance	Treatment	Distribution	Total Utility	Non-Consequential Hydropower (if applicable): Hydropower	Net Utility
Volume of Water Entering Process	MG	*0*	*0*	*0*	*0*	*4835*	*4835*	*0*	*4835*
Energy Consumed (kWh)	*N/A*	*0*	*0*	*0*	*0*	*2343524*	*2343524*	*0*	*2343524*
Energy Intensity (kWh/vol.)	*N/A*	*0.0*	*0.0*	*0.0*	*0.0*	*484.7*	*484.7*	*0.0*	*484.7*

Quantity of Self-Generated Renewable Energy

0 kWh

Data Quality *(Estimate, Metered Data, Combination of Estimates and Metered Data)*

Metered Data

Data Quality Narrative:

Energy consumption for system distribution is based on metered values at VWD's pump stations.

Narrative:

Distribution values represent power consumption from 10 pump stations in pressure zones throughout VWD service area.

Urban Water Supplier: *enter supplier name*

Water Delivery Product (If delivering more than one type of product use Table O-1C)

dropdown menu

Table O-1B: Recommended Energy Reporting - Total Utility Approach				
Enter Start Date for Reporting Period	10/1/2019	**Urban Water Supplier Operational Control**		
End Date	9/29/2020			
☐ Is upstream embedded in the values reported?		**Sum of All Water Management Processes**	**Non-Consequential Hydropower**	
Water Volume Units Used	*dropdown list*	Total Utility	Hydropower	Net Utility
Volume of Water Entering Process (volume unit)		*0*	*0*	*0*
Energy Consumed (kWh)		*0*	*0*	*0*
Energy Intensity (kWh/volume)		*0.0*	*0.0*	*0.0*

Quantity of Self-Generated Renewable Energy

kWh

Data Quality *(Estimate, Metered Data, Combination of Estimates and Metered Data)*

dropdown menu

Data Quality Narrative:

Narrative:

Urban Water Supplier: *enter supplier name*

Table O-1C: Recommended Energy Reporting - Multiple Water Delivery Products

Enter Start Date for Reporting Period: 10/1/2019
End Date: 9/29/2020

☐ Is upstream embedded in the values reported?

			Urban Water Supplier Operational Control							
			Water Management Process						Non-Consequential Hydropower (if applicable)	
			Extract and Divert	Place into Storage	Conveyance	Treatment	Distribution	Total Utility	Hydropower	Net Utility
Water Volume Units	*Total Volume of Water Entering Process (volume units)*		*0*	*0*	*0*	*0*	*0*	*N/A*	*0*	*N/A*
dropdown menu		*Retail Potable Deliveries (%)*	*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
		Retail Non-Potable Deliveries (%)	*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
		Wholesale Potable Deliveries(%)	*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
	Wholesale Non-Potable Deliveries (%)		*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
	Agricultural Deliveries (%)		*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
		Environmental Deliveries (%)	*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
	Other (%)		*0%*	*0%*	*0%*	*0%*	*0%*		*0%*	
	Total Percentage [must equal 100%]		*0%*	*0%*	*0%*	*0%*	*0%*	*N/A*	*0%*	*N/A*
		Energy Consumed (kWh)	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
	Energy Intensity (kWh/volume units)		*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*N/A*	*0.0*	*N/A*

Water Delivery Type			*Production Volume (volume units defined above)*	*Total Utility (kWh/volume)*	*Net Utility (kWh/volume)*
		Retail Potable Deliveries	*0*	*0.0*	*0.0*
		Retail Non-Potable Deliveries	*0*	*0.0*	*0.0*
		Wholesale Potable Deliveries	*0*	*0.0*	*0.0*
	Wholesale Non-Potable Deliveries		*0*	*0.0*	*0.0*
		Agricultural Deliveries	*0*	*0.0*	*0.0*
		Environmental Deliveries	*0*	*0.0*	*0.0*
	Other		*0*	*0.0*	*0.0*
	All Water Delivery Types		*0*	*0.0*	*0.0*

Urban Water Supplier: *enter supplier name*

Table O-2: Recommended Energy Reporting - Wastewater & Recycled Water					
Enter Start Date for Reporting Period	10/1/2019	**Urban Water Supplier Operational Control**			
End Date	9/29/2020	**Water Management Process**			
☐ Is upstream embedded in the values reported?		Collection / Conveyance	Treatment	Discharge / Distribution	Total
Volume of Water Units Used					
Volume of Wastewater Entering Process (volume units selected above)		*0*	*0*	*0*	*0*
Wastewater Energy Consumed (kWh)		*0*	*0*	*0*	*0*
Wastewater Energy Intensity (kWh/volume)		*0.0*	*0.0*	*0.0*	*0.0*
Volume of Recycled Water Entering Process (volume units selected above)		*0*	*0*	*0*	*0*
Recycled Water Energy Consumed (kWh)		*0*	*0*	*0*	*0*
Recycled Water Energy Intensity (kWh/volume)		*0.0*	*0.0*	*0.0*	*0.0*

Quantity of Self-Generated Renewable Energy related to recycled water and wastewater operations

kWh

Data Quality *(Estimate, Metered Data, Combination of Estimates and Metered Data)*

dropdown menu

Data Quality Narrative:

Narrative:

SB X7-7 Table 0: Units of Measure Used in UWMP* *(select one from the drop down list)*
Million Gallons
**The unit of measure must be consistent with Submittal Table 2-3*
NOTES:

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	**Parameter**	**Value**	**Units**
10- to 15-year baseline period	2008 total water deliveries	6,702	Million Gallons
	2008 total volume of delivered recycled water	-	Million Gallons
	2008 recycled water as a percent of total deliveries	0%	**See Note 1**
	Number of years in baseline period[1, 2]	10	Years
	Year beginning baseline period range	1999	
	Year ending baseline period range[3]	2008	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2004	
	Year ending baseline period range[4]	2008	

[1] If the 2008 recycled water delivery is less than 10 percent of total water deliveries, then the 10-15year baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater of total deliveries, the 10-15 year 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 for the 10-15 year baseline period must be between December 31, 2004 and December 31, 2010.

[4] The ending year for the 5 year baseline period must be between December 31, 2007 and December 31, 2010.

NOTES:

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
☐	**1. Department of Finance** (DOF) or **American Community Survey** (ACS)
☐	**2. Persons-per-Connection Method**
☑	**3. DWR Population Tool**
☑	**4. Other** DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	57,856
Year 2	2000	59,968
Year 3	2001	60,481
Year 4	2002	64,154
Year 5	2003	67,191
Year 6	2004	70,668
Year 7	2005	75,992
Year 8	2006	79,986
Year 9	2007	82,967
Year 10	2008	85,910
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2004	70,668
Year 2	2005	75,992
Year 3	2006	79,986
Year 4	2007	82,967
Year 5	2008	85,910
NOTES:		

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

Baseline Year *Fm SB X7-7 Table 3*		Volume Into Distribution System *This column will remain blank until SB X7-7 Table 4-A is completed.*	Deductions					Million Gallons
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water *This column will remain blank until SB X7-7 Table 4-B is completed.*	Water Delivered for Agricultural Use	Process Water *This column will remain blank until SB X7-7 Table 4-D is completed.*	Annual Gross Water Use
10 to 15 Year Baseline - Gross Water Use								
Year 1	1999	4,578		6	-	655	-	3,917
Year 2	2000	5,365		15	-	793	-	4,557
Year 3	2001	5,164		(8)	-	764	-	4,408
Year 4	2002	5,723		12	-	847	-	4,864
Year 5	2003	5,688		(7)	-	799	-	4,896
Year 6	2004	6,308		-	-	865	-	5,443
Year 7	2005	5,918		4	-	695	-	5,219
Year 8	2006	6,379		3	-	793	-	5,583
Year 9	2007	7,115		4	-	802	-	6,309
Year 10	2008	6,702		32	-	627	-	6,043
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								**5,124**
5 Year Baseline - Gross Water Use								
Year 1	2004	6,308		-	-	865	-	5,443
Year 2	2005	5,918		4	-	695	-	5,219
Year 3	2006	6,379		3	-	793	-	5,583
Year 4	2007	7,115		4	-	802	-	6,309
Year 5	2008	6,702		32	-	627	-	6,043
5 year baseline average gross water use								**5,719**

*** Units of measure** (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.

NOTES:

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)
Complete one table for each source.

Name of Source	San Diego County Water Authority
This water source is:	
☐	The supplier's own water source
☑	A purchased or imported source

Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System[1]	Meter Error Adjustment[2] *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1999	4,578		4,578
Year 2	2000	5,365		5,365
Year 3	2001	5,164		5,164
Year 4	2002	5,723		5,723
Year 5	2003	5,688		5,688
Year 6	2004	6,308		6,308
Year 7	2005	5,918		5,918
Year 8	2006	6,379		6,379
Year 9	2007	7,115		7,115
Year 10	2008	6,702		6,702
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	6,308		6,308
Year 2	2005	5,918		5,918
Year 3	2006	6,379		6,379
Year 4	2007	7,115		7,115
Year 5	2008	6,702		6,702

[1] ***Units of measure*** *(AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.*

[2] ***Meter Error Adjustment*** *- See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES:

SB X7-7 Table 5: Baseline Gallons Per Capita Per Day (GPCD)				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Annual Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1999	57,856	3,917	185
Year 2	2000	59,968	4,557	208
Year 3	2001	60,481	4,408	200
Year 4	2002	64,154	4,864	208
Year 5	2003	67,191	4,896	200
Year 6	2004	70,668	5,443	211
Year 7	2005	75,992	5,219	188
Year 8	2006	79,986	5,583	191
Year 9	2007	82,967	6,309	208
Year 10	2008	85,910	6,043	193
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				**199**
5 Year Baseline GPCD				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use
Year 1	2004	70,668	5,443	211
Year 2	2005	75,992	5,219	188
Year 3	2006	79,986	5,583	191
Year 4	2007	82,967	6,309	208
Year 5	2008	85,910	6,043	193
5 Year Average Baseline GPCD				**198**
NOTES:				

SB X7-7 Table 6: Baseline GPCD *From Table SB X7-7 Table 5*	*Summary*
10-15 Year Baseline GPCD	199
5 Year Baseline GPCD	198
NOTES:	

SB X7-7 Table 7: 2020 Target Method *Select Only One*		
Target Method		**Supporting Tables**
☑	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D
☐	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator *Located in the WUE Data Portal at wuedata.water.ca.gov* Resources *button*
NOTES:		

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	**2020 Target GPCD**
199	**159**
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[4]**
		As calculated by supplier in this SB X7-7 Verification Form	**Special Situations[3]**		
			Prorated 2020 Target	Population Weighted Average 2020 Target	
198	188	159			**159**

[1] ***Maximum 2020 Target*** *is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 GPCD.*

[2] ***Calculated 2020 Target*** *is the target calculated by the Supplier based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target. Supplier may only enter one calculated target.*

[3] ***Prorated targets and population weighted target*** *are allowed for special situations only. These situations are described in Appendix P, Section P.3*

[4] ***Confirmed Target*** *is the lesser of the Calculated 2020 Target (C5, D5, or E5) or the Maximum 2020 Target (Cell B5)*

NOTES:

SB X7-7 Table 0: Units of Measure Used in 2020 UWMP* *(select one from the drop down list)*
Million Gallons
**The unit of measure must be consistent throughout the UWMP, as reported in Submittal Table 2-3.*
NOTES:

SB X7-7 Table 2: Method for 2020 Population Estimate	
Method Used to Determine 2020 Population (may check more than one)	
☐	**1. Department of Finance** (DOF) or **American Community Survey** (ACS)
☐	**2. Persons-per-Connection Method**
☐	**3. DWR Population Tool**
☑	**4. Other** DWR recommends pre-review
NOTES: As estimated by the San Diego Association of Governments (SANDAG) using Series 14 Growth Forecast (version 17) population data.	

SB X7-7 Table 3: 2020 Service Area Population	
2020 Compliance Year Population	
2020	105,741
NOTES:	

SB X7-7 Table 4: 2020 Gross Water Use							
Compliance Year 2020	**2020 Volume Into Distribution System** *This column will remain blank until SB X7-7 Table 4-A is completed.*	**2020 Deductions**					**2020 Gross Water Use**
		Exported Water *	**Change in Dist. System Storage*** (+/-)	**Indirect Recycled Water** *This column will remain blank until SB X7-7 Table 4-B is completed.*	**Water Delivered for Agricultural Use***	**Process Water** *This column will remain blank until SB X7-7 Table 4-D is completed.*	
	4,835	-	-	-	-	-	**4,835**

* **Units of measure (AF, MG , or CCF)** must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.

NOTES:

SB X7-7 Table 4-A: 2020 Volume Entering the Distribution System(s), Meter Error Adjustment

Complete one table for each source.

Name of Source	San Diego County Water Authority
This water source is *(check one)* **:**	
☐	The supplier's own water source
☑	A purchased or imported source

Compliance Year 2020	Volume Entering Distribution System [1]	Meter Error Adjustment [2] *Optional (+/-)*	Corrected Volume Entering Distribution System
	3,722	-	3,722

[1] ***Units of measure (AF, MG , or CCF)*** *must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.*

[2] ***Meter Error Adjustment*** *- See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES

SB X7-7 Table 4-A: 2020 Volume Entering the Distribution System(s) Meter Error Adjustment

Complete one table for each source.

Name of Source	Desalinated Water - Surface Water
This water source is *(check one)* **:**	
☑	The supplier's own water source
☐	A purchased or imported source

Compliance Year 2020	Volume Entering Distribution System [1]	Meter Error Adjustment [2] *Optional (+/-)*	Corrected Volume Entering Distribution System
	1,113		1,113

[1] ***Units of measure (AF, MG , or CCF)*** *must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.*

[2] ***Meter Error Adjustment*** *- See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES: As a local water supply owned by VWD through a Water Purchase Agreement with SDCWA.

SB X7-7 Table 5: 2020 Gallons Per Capita Per Day (GPCD)		
2020 Gross Water *Fm SB X7-7 Table 4*	**2020 Population** *Fm SB X7-7 Table 3*	**2020 GPCD**
4,835	105,741	**125**
NOTES:		

SB X7-7 Table 9: 2020 Compliance

Actual 2020 GPCD[1]	Optional Adjustments to 2020 GPCD (Enter "0" if Adjustment Not Used)			TOTAL Adjustments[1]	Adjusted 2020 GPCD [1] *(Adjusted if applicable)*	2020 Confirmed Target GPCD [1, 2]	**Did Supplier Achieve Targeted Reduction for 2020?**
	Extraordinary Events[1]	Weather Normalization[1]	Economic Adjustment[1]				
125	-	-	-	-	125	159	**YES**

[1] *All values are reported in GPCD*

[2] ***2020 Confirmed Target GPCD*** *is taken from the Supplier's SB X7-7 Verification Form Table SB X7-7, 7-F.*

NOTES:

SB X7-7 Regional Alliance - 2020 GPCD (Actual)

Participating Member Agency Name *Add rows as needed*	2020 Actual GPCD[1]	2020 Population	(2020 GPCD) X (2020 Population)	Regional Alliance 2020 GPCD (Actual)
Olivenhain MWD	206	72,179	14,868,874	
Rincon del Diablo MWD	135	32,019	4,322,565	
San Dieguito WD	129	37,856	4,883,424	
Vallecitos WD	125	105,741	13,217,625	
			-	
Regional Alliance Totals	595	247,795	37,292,488	**150**

[*] *All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6 , Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable.These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.*

NOTES

SB X7-7 Regional Alliance - 2020 Compliance

2020 Actual GPCD	Optional Adjustment for Economic Growth[1]	Adjusted **2020 Actual GPCD**	**2020 Target GPCD** [2]	**Did Alliance Achieve Targeted Reduction for 2020?**
150	-	150	204	YES

[1] Adjustments for economic growth can be applied to either the individual supplier's data or to the aggregate regional alliance data (but not both), depending upon availability of suitable data and methods. *[2] 2020 Target GPCD will be taken from the Regional Alliance's SB X7-7 Verification Form, Option 1 Weighted Target Table, Option 2 SB X7-7 Table 7-F.*

NOTES

2020 Regional Alliance Report

Olivenhain Regional Alliance

Introduction

The Water Conservation Bill of 2009 (SB X7-7) requires each urban retail water supplier to develop an urban water use target and an interim urban water use target. The legislation authorizes urban retail water suppliers to determine and report progress toward achieving these targets on an individual agency basis or pursuant to a regional alliance as provided in CWC § 10608.28(a). The DWR Guidebook and the DWR Methodologies provide guidance to urban retail water suppliers for purposes of forming and carrying out a regional alliance in accordance with CWC § 10608.28(a) and related provisions of SB X7-7. The DWR Guidebook and the DWR Methodologies provide that urban retail water suppliers are eligible to form a regional alliance in accordance with CWC § 10608.28(a) if the suppliers meet at least one of several specified criteria, such as (1) the suppliers are recipients of water from a common wholesale water supplier, or (2) the suppliers are located within the same hydrologic region, which for purposes of a regional alliance refers to the 10 hydrologic regions as shown in the California Water Plan.

For the 2010 Urban Water Management Plan, Olivenhain Municipal Water District, along with Vallecitos Water District, San Dieguito Water District, and Rincon del Diablo Municipal Water District formed a regional alliance pursuant to CWC § 10608.28(a), the DWR Guidebook, and the DWR Methodologies to cooperatively determine and report progress toward achieving their water use targets on a regional basis. All of these members are recipients of water from a common wholesale water supplier, in this case San Diego County Water Authority, and all of the members are located within the South Coast Hydrologic Region as shown in the California Water Plan. The alliance members agreed that Olivenhain Municipal Water District would be the lead agency. The agencies are shown in the attached map.

The members have entered a cooperative agreement to establish and carry out a regional alliance and they have jointly notified DWR of the formation of their regional alliance. In accordance with the DWR Guidebook and DWR Methodologies, the members have prepared an urban water use target and an interim urban water use target for the region, which is further set forth herein and within each of the other member's individual UWMPs. Furthermore, each member of the regional alliance has developed its own set of interim and urban water use targets, along with other supporting data and determinations, all of which is included in each member's individual UWMP.

Data Reporting for a Regional Alliance

The attached tables below provide the data required for the Olivenhain Regional Alliance, as described in Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use, Final Draft, February 2016. The Olivenhain Regional Alliance did achieve its targeted reduction for 2020, with a target of 204 GPCD, and a 2020 actual use of 150 GPCD.

Tables

Table SB X7-7 RA1 – Weighted Baseline				
Participating Member Agency Name	10-15 year Baseline GPCD*	Average Population During 10-15 Year Baseline Period	(Baseline GPCD) X (Population)	Regional Alliance Weighted Average 10-15 Year Baseline GPCD
Olivenhain MWD	352	54,418	19,155,136	
Rincon del Diablo MWD	284	26,434	7,507,256	
San Dieguito WD	189	35,385	6,687,765	
Vallecitos WD	199	70,517	14,032,883	
Regional Alliance Total	1,024	186,754	47,383,040	254
*All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6, Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable. These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.				
NOTES: MWD = Municipal Water District, WD = Water District				

Table SB X7-7 RA1 – Weighted Target				
Participating Member Agency Name	2020 Target GPCD*	2020 Population	(2020 Target) X (Population)	Regional Alliance Weighted Average 2020 Target
Olivenhain MWD	282	70,522	19,887,204	
Rincon del Diablo MWD	227	27,476	6,237,052	
San Dieguito WD	151	37,200	5,617,200	
Vallecitos WD	159	93,897	14,929,623	
Regional Alliance Total	819	229,095	46,671,079	204
*All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6, Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable. These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.				
NOTES: MWD = Municipal Water District, WD = Water District				

Table SB X7-7 Regional Alliance – 2020 GPCD (Actual)				
Participating Member Agency Name	2020 Actual GPCD*	2020 Population	(2020 GPCD) X (2020 Population)	Regional Alliance 2020 GPCD (Actual)
Olivenhain MWD	206	72,179	14,868,874	
Rincon del Diablo MWD	135	32,019	4,322,565	
San Dieguito WD	129	37,856	4,883,424	
Vallecitos WD	125	105,741	13,217,625	
Regional Alliance Total	595	247,795	37,292,488	150
*All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6, Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable. These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.				
NOTES: MWD = Municipal Water District, WD = Water District				

Table SB X7-7 Regional Alliance – 2020 Compliance				
2020 Actual GPCD	Optional Adjustment for Economic Growth[1]	Adjusted 2020 Actual GPCD	2020 Target GPCD[2]	Did Regional Alliance Achieve Targeted Reduction for 2020?
150	0	150	204	YES
1 Adjustments for economic growth can be applied to either the individual supplier's data or to the aggregate regional alliance data (but not both), depending upon availability of suitable data and methods. 2 GPCD will be taken from the Regional Alliance's SB X7-7 Verification Form, Weighted Target Table.				
NOTES: MWD = Municipal Water District, WD = Water District				

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location (Optional Column for Agency Review Use)
10608.20(e)	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	Section 5
10608.22	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	Section 5.1
10608.24(a)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Section 5.7	Section 5.5 and 5.3
10608.24(d)(2)	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	Sections 5.2 and 5.5.7	N/A
10608.36	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	N/A
10608.4	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	Section 5.2, 5.3 and Appendix B
10631(e)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years.	Demand Management Measures	Sections 9.2 and 9.3	Section 9.3
10631(e)(2)	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	N/A
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Chapter 10	
10621(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	Section 10
10621(f)	Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Section 10.4
10635(c)	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	Sections 8.12, 10.4	Section 8.9 and Appendix E
10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan and contingency plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Section 10 and Appendix E
10642	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	Section 10.2	Section 10
10642	Provide supporting documentation that the plan and contingency plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Section 10
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10
10644(a)(1)	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 10.5	Section 10
10644(a)(2)	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	Section 10
10645(a)	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	Section 10
10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its water shortage contingency 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	Section 8.9 and Appendix E
10620(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	Section 2.1
10620(d)(2)	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	Section 2.2
10642	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 and contingency plan.	Plan Preparation	Section 2.6	Section 2.2
10630.5	Each plan shall include a simple description of the supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information.	Summary	Chapter 1	Section 1
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Section 3.1
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 3.1
10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Section 3.4	Section 3.2
10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Section 3.2

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location (Optional Column for Agency Review Use)
10631(a)	Describe the land uses within the service area.	System Description	Section 3.5	Section 1
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Section 3.2
10631(b)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030, 2035, 2040 and optionally 2045.	System Supplies	Section 6.2.8	Section 6.9
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Section 6.2
10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought.	System Supplies	Section 6.2	Section 7
10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System Supplies	Section 6.1	Section 6
10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Section 6.1	Section 6.8
10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or 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	Section 6.2
10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Section 6.2.2	Section 6.2
10631(b)(4)(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	Section 6.2
10631(b)(4)(B)	For unadjudicated basins, indicate whether or not the department has identified the basin as a high or medium priority. Describe efforts by the supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	System Supplies	Section 6.2.3	Section 6.2
10631(b)(4)(C)	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	Section 6.2
10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Section 6.2	Section 6.2
10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long- term basis.	System Supplies	Section 6.7	Section 6.7
10631(f)	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 for a period of drought lasting 5 consecutive water years.	System Supplies	Section 6.8	Section 6.8
10631(g)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Section 6.6
10631(h)	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	Section 2.4.5
10631(h)	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	N/A
10633(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 6.2	Section 6.5
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2	Section 6.5
10633(d)	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 6.2	Section 6.5
10633(e)	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 6.2	Section 6.5
10633(f)	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 6.2	Section 6.5
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2	Section 6.5
10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Section 4.1
10631(d)(3)(A)	Report the distribution system water loss for for each of the 5 years preceding the plan update.	System Water Use	Section 4.3	Section 4.2
10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Section 4.2	Section 4.2 and Appendix E
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	Section 4.3
10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Chapter 8	Section 8 and Appendix G
10632(a)(2)(A)	Provide the written decision-making process and other methods that the supplier will use each year to determine its water reliability.	Water Shortage Contingency Planning	Section 8.2	Section 8 and Appendix G

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location (Optional Column for Agency Review Use)
10632(a)(2)(B)	Provide data and methodology to evaluate the supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water Shortage Contingency Planning	Section 8.2	Section 8 and Appendix G
10632(a)(3)(A)	Define six standard water shortage levels of 10, 20, 30, 40, 50 percent shortage and greater than 50 percent shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water Shortage Contingency Planning	Section 8.3	Section 8 and Appendix G
10632(a)(3)(B)	Suppliers with an existing water shortage contingency plan that uses different water shortage levels must cross reference their categories with the six standard categories.	Water Shortage Contingency Planning	Section 8.3	Section 8 and Appendix G
10632(a)(4)(A)	Suppliers with water shortage contingency plans that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water Shortage Contingency Planning	Section 8.4	Section 8 and Appendix G
10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Section 8.4	Section 8 and Appendix G
10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Section 8.4	Section 8 and Appendix G
10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition to state- mandated prohibitions are appropriate to local conditions.	Water Shortage Contingency Planning	Section 8.4	Section 8 and Appendix G
10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water Shortage Contingency Planning	Section 8.4	Section 8 and Appendix G
10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water Shortage Contingency Planning	Section 8.5	Section 8 and Appendix G
10632(a)(5)(B) 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water Shortage Contingency Planning	Section 8.5, 8.6	Section 8 and Appendix G
10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Section 8.7	Section 8 and Appendix G
10632(a)(7)(B)	Provide a statement that the supplier will declare a water shortage emergency Water Code Chapter 3.	Water Shortage Contingency Planning	Section 8.7	Section 8 and Appendix G
10632(a)(7)(C)	Provide a statement that the supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water Shortage Contingency Planning	Section 8.7	Section 8 and Appendix G
10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Section 8.8	Section 8 and Appendix G
10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Section 8.8	Section 8 and Appendix G
10632(a)(8)(C)	Describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought.	Water Shortage Contingency Planning	Section 8.8	Section 8 and Appendix G
10632(a)(9)	Retail suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water Shortage Contingency Planning	Section 8.9	Section 8 and Appendix G
10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the water shortage contingency plan to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water Shortage Contingency Planning	Section 8.10	Section 8 and Appendix G
10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water Shortage Contingency Planning	Section 8.11	Section 8 and Appendix G
10620(f)	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	Section 7.1
10634	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	Chapter 7	Section 6.1
10635(a)	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	Section 7.3

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location (Optional Column for Agency Review Use)
10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water Supply Reliability Assessment	Section 7.3	Section 7.7
10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts 5 consecutive years.	Water Supply Reliability Assessment	Section 7.3	Section 7.7
10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water Supply Reliability Assessment	Section 7.3	Section 7.1
10635(b)(3)	Include a comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.	Water Supply Reliability Assessment	Section 7.3	Section 7.1
10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change condition, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Section 7.3	Section 4.5
10631.2(a)	The UWMP must include energy intensity information as stated in the code.	System Suppliers, Energy Intensity	Section 6.4 and Appendix O	Section 6.10