

Appendix 1 Urban Water Management Plan Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
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 1.1
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 1.1 Section 5.6.1 Section 5.8
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.	Plan Preparation	Section 2.5.2	Appendix 6 Error! Reference source not found. Section 2.3
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Chapter 2
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 2.2
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	Section 2.3
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Section 2.3
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Section 2.3
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Section 3.1 Section 3.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	Section 3.3
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 3.4 Section 4.3
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	Section 4.3
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 and App E	Section 4.2 Section 4.3
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 3.2.2
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	0
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	Section 5.8.2	Section 4.2 Section 4.3
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	Not Applicable, the District is a retail agency.
10608.40	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 4.3 Appendix 2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	Section 5.1 Section 5.3 Section 5.4 Section 5.9 Section 5.10
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Section 5.3 Section 5.3.2 Section 5.9.1
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	Section 5.3 Section 5.3.2
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	Section 5.3.1
10631(b)(2)	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 5.3.2
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	The District does not pump ground water.
10631(b)(3)	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	The District does not pump ground water.

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	The District does not pump ground water.
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	Section 5.6.1 Section 5.8 Section 5.9
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	Section 5.9
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Section 5.7
10631(j)	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 5.6.1
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	Not Applicable, the District is a retail agency.
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	Section 5.6.1 Section 5.6.2
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	0 Section 5.6.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
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 6.5.2.2	0Section 5.6.2
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	Section 5.6.3
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 6.5.4	Section 5.6.4
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 6.5.4	Section 5.6.4 Section 5.9
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 6.5.5	Section 5.6.4 Section 5.9.2
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	Section 5.6.4 Section 5.9.2
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 6.4 Section 6.1 0Section 6.4
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	0Section 6.4
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	Section 6.3.1 Section 6.3.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
				Section 6.3.4
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	Section 8.3 Section 6.3
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	Section 7.1	Section 6.1 Section 6.4
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 6.3.1 Section 6.3.2 Section 6.3.4
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	Section 7.1 Section 7.2 Section 7.3 Section 7.4 Section 7.5
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	Section 6.3.4 Section 8.4
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	Section 8.3
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	Section 7.2 Section 7.1
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	Section 7.4 Section 7.5

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	Section 7.3
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	Section 7.3 Section 7.4 Section 7.5
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	Appendix 4
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	Section 7.5
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	Section 9.1
10631(f)(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	Not Applicable, the District is a retail agency.
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	0 Section 9.1.2 Section 9.1.3 Section 9.1.7
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	Section 10.3	Section 10.3 Section 10.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
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 10.2 Appendix 5 Error! Reference source not found.
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Section 10.4
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	Section 10.2
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Section 10.3 Appendix 6
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	Sections 10.2.1	Section 10.3 Error! Reference source not found.
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Appendix 7
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 10.4.3	Section 10.4 Section 10.4
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 10.4.4	Section 10.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
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 10.4
10645	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	Appendix 6

Appendix 2 DWR Standardized Tables

Appendix Table 2-1: DWR Table 2-2: Plan Identification

DWR Table 2-2: Plan Identification (Select One)	
<input checked="" type="checkbox"/>	Individual UWMP
<input type="checkbox"/>	Regional UWMP (RUWMP)
	Select One:
<input type="checkbox"/>	RUWMP includes a Regional Alliance
<input type="checkbox"/>	RUWMP does not include a Regional Alliance
NOTES:	

Appendix Table 2-2: DWR Table 2-3: Agency Identification

DWR Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency is a retailer
Fiscal or Calendar Year (select one)	
<input type="checkbox"/>	UWMP Tables Are in Calendar Years
<input checked="" type="checkbox"/>	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Day that the Fiscal Year Begins	
7/1	
Units of Measure Used in UWMP (select one)	
<input checked="" type="checkbox"/>	Acre Feet (AF)
<input type="checkbox"/>	Million Gallons (MG)
<input type="checkbox"/>	Hundred Cubic Feet (CCF)
NOTES: Fiscal year begins on July 1st of each year.	

Appendix Table 2-3: DWR Table 3-1: Population - Current and Projected

DWR Table 3-1 Retail: Population - Current and Projected						
Population Served	2015	2020	2025	2030	2035	2040(opt)
	170,326	172,876	174,115	175,512	176,539	177,425
NOTES: Provided by the California State University at Fullerton Center for Demographic Research.						

Appendix Table 2-4: DWR Table 2-1: Public Water Systems

DWR Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
574	Moulton Niguel Water District	55,030	26,819
TOTAL		55,030	26,819
NOTES:			

Appendix Table 2-5: DWR Table 2-4: Water Supplier Information Exchange

DWR 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
Municipal Water District of Orange County
NOTES:

Appendix Table 2-6: DWR Table 4-1: Demands for Potable and Raw Water - Actual

DWR Table 4-1 Retail: Demands for Potable and Raw Water - Actual			
Use Type	2015 Actual		
	Additional Description	Level of Treatment When Delivered	Volume
Single Family		Drinking Water	16,426.0
Multi-Family		Drinking Water	2,218.0
Other	<i>Commercial and Institutional</i>	Drinking Water	2,450.0
Landscape		Drinking Water	3,641.0
Losses		Drinking Water	1,700.0
Other	<i>Apparent Losses</i>	Drinking Water	183.0
Sales/Transfers/ Exchanges to other agencies	<i>To El Toro Water District via Muirlands Connection</i>	Drinking Water	18.6
Other	<i>Makeup water to supplement recycled water system</i>	Drinking Water	187.0
TOTAL			26,823.6
<p>NOTES: Losses reported are "real losses", there are 183 AF of apparent losses. The District does not have any industrial water use in the service area. Institutional is not tracked separately from commercial water use, hence they are grouped together.</p>			

Appendix Table 2-7: DWR Table 4-2: Demands for Potable and Raw Water - Projected

DWR Table 4-2 Retail: Demands for Potable and Raw Water - Projected						
Use Type	Additional Description	Projected Water Use				
		2020	2025	2030	2035	2040 (opt)
Single Family		16,737.1	16,454.1	16,220.9	16,240.6	16,295.8
Multi-Family		2,656.2	3,031.2	2,997.4	3,000.3	3,008.3
Other	<i>Commercial and Institutional</i>	2,537.2	2,517.4	2,482.3	2,485.3	2,493.6
Landscape		3,932.9	1,948.7	1,787.4	1,801.0	1,839.2
Losses		1,726.8	1,542.4	1,478.4	1,446.9	1,419.8
Other	<i>Apparent Losses</i>	195.8	178.5	174.7	174.6	175.1
Sales/Transfers/Exchanges to other agencies	<i>To El Toro Water District via Muirlands Connection</i>	18.6	18.6	18.6	18.6	18.6
TOTAL		27,817.3	27,805	25,691	25,160	25,167

NOTES: Losses reported are "real losses", apparent losses are broken out separately assuming 0.7% of total potable production. The District does not have any industrial water use in the service area. Institutional is not tracked separately from commercial water use, hence they are grouped together.

Appendix Table 2-8: DWR Table 4-3: Total Water Demands

DWR Table 4-3 Retail: Total Water Demands						
	2015	2020	2025	2030	2035	2040 (opt)
Potable and Raw Water <i>From Tables 4-1 and 4-2</i>	26,823.6	27,804.5	25,690.8	25,159.7	25,167.4	25,250.4
Recycled Water Demand <i>From Table 6-4</i>	7,988.1	8,110.6	10,009.9	9,998.1	9,986.3	9,974.9
TOTAL WATER DEMAND	34,811.7	35,915.1	35,700.7	35,157.8	35,153.7	35,225.3

NOTES:

Appendix Table 2-9: DWR Table 4-5: Inclusion in Water Use Projections

DWR Table 4-5 Retail Only: Inclusion in Water Use Projections	
Future Water Savings Included Y/N	Yes
If "Yes" to above, state the section or page number where citations of the codes, ordinances, etc... utilized in demand projections are found.	Section 3.2
Lower Income Residential Demands Included	Yes
NOTES:	

Appendix Table 2-10: DWR Table 5-1: Baselines and Targets Summary

DWR 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	<i>FY 1991</i>	<i>FY 2005</i>	216	194	173
5 Year	<i>FY 2004</i>	<i>FY 2008</i>	191		
*All values are in Gallons per Capita per Day (GPCD)					
NOTES:					

Appendix Table 2-11: DWR Table 5-2: 2015 Compliance

DWR 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 Enter "0" for adjustments not used <i>From Methodology 8</i>					Adjusted 2015 GPCD	2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events	Economic Adjustment	Weather Normalization	TOTAL Adjustments				
140	194	N/A	N/A	N/A	N/A	N/A	140	Yes	
*All values are in Gallons per Capita per Day (GPCD)									
NOTES:									

Appendix Table 2-12: DWR Table 6-2: Wastewater Collected Within Service Area in 2015

DWR Table 6-2 Retail: Wastewater Collected Within Service Area in 2015						
<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.					
100%	Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>					
100%	Percentage of 2015 service area population covered by wastewater collection system <i>(optional)</i>					
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated?	Volume of Wastewater Collected in 2015	Name of Wastewater Treatment Agency Receiving Collected	Treatment Plant Name	Is WWTP Located Within UWMP Area?	Is WWTP Operation Contracted to a Third Party?
MNWD	<i>Metered</i>	8,974 AFY	SOCWA	Joint Regional Treatment Plant	Yes	Yes
MNWD	<i>Estimated</i>	2,108 AFY	SOCWA	3A Treatment Plant	Yes	Yes
MNWD	<i>Estimated</i>	1,149 AFY	SOCWA	JB Latham Treatment Plant	No	Yes
MNWD	<i>Estimated</i>	0,000 AFY	SOCWA	Coastal Treatment Plant	Yes	Yes
Total Wastewater Collected from Service Area in 2015:		12,231				
NOTES: The reported volumes are the amount of contributed wastewater from the District. In Fiscal Year 2016, SMWD began operating the 3A wastewater treatment plant on behalf of the District.						

Appendix Table 2-13: DWR Table 6-3: Wastewater Treatment and Discharge Within Service Area in 2015

DWR Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015										
<input type="checkbox"/>	No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below									
Wastewater Treatment Plant name	Discharge Location name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional)	Method of Disposal	Does this Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level	2015 volumes			
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside Service Area
Joint Regional Treatment Plant	Aliso Creek Ocean Outfall			Ocean Outfall	No	Tertiary	8,974	1,771	7,203	-
3A Treatment Plant	San Juan Creek Ocean Outfall			Ocean outfall	Yes	Tertiary	2,108	1,255	854	-
JB Latham Treatment Plant	San Juan Creek Ocean Outfall			Ocean outfall	Yes	Secondary, Undisinfected	1,149	1,149	-	-
Coastal Treatment Plant	Aliso Creek Ocean Outfall			Ocean outfall	Yes	Tertiary	-	-	-	-
Total							12,231	4,175	8,057	0
NOTES: The District has storage in Upper Oso Reservoir leading to the differences in total recycled water delivered versus treated. The quoted numbers are for the amount of wastewater contributed from the District.										

Appendix Table 2-14: DWR Table 6-5: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual			
<input type="checkbox"/>		Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type		2010 Projection for 2015	2015 actual use
Landscape irrigation (excludes golf courses)		8,500	6,377
Golf course irrigation			1,061
Other	<i>Losses</i>	Water Loss in the recycled water distribution system	550
Total		8,500	7,988
<p>NOTES: Recycled water for golf course irrigation was not broken out in the 2010 UWMP, neither was water loss. Losses includes both apparent and real losses; the District has not yet done an audit of the water losses of the recycled system</p>			

Appendix Table 2-15: DWR Table 6-4: Current and Projected Recycled Water Direct Beneficial Uses within Service Area

DWR Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area*									
<input type="checkbox"/>		Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.							
Name of Agency Producing (Treating) the Recycled Water:		South Orange County Wastewater Authority							
Name of Agency Operating the Recycled Water Distribution System:		Moulton Niguel Water District							
Supplemental Water Added in 2015		187							
Source of 2015 Supplemental Water		Municipal Water District of Orange County							
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment <i>Drop down list</i>	2015	2020	2025	2030	2035	2040 (opt)	
Landscape irrigation (excluding golf courses)	Slopes, medians for HOAs and Cities	Tertiary	6,377	6,762	8,562	8,562	8,562	8,562	
Golf course irrigation		Tertiary	1,061	877	877	877	877	877	
Other	Losses Water Loss in the recycled water distribution system	Tertiary	550	472	571	559	547	536	
Total:			7,988	8,111	10,010	9,998	9,986	9,975	
<i>IPR - Indirect Potable Reuse</i>									
* This may include use outside the UWMP area that is NOT included in another UWMP area. It is to be noted in the general description cell.									
NOTES: The District golf courses have undergone large turf removal projects. The projections in 2020 and beyond are based on the expected water savings from turf removal projects finished after June 2015 and expected future projects totaling 1.5 million square feet at an assumed 40 gallons of water saved per square foot of turf removed.									

Appendix Table 2-16: DWR Table 6-6: Methods to Expand Future Recycled Water Use

DWR Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
Phase V RW Extension	Output of 2016 Recycled Water Master Plan	2017-2025	2,000
Total			2,000
NOTES:			

Appendix Table 2-17: DWR Table 6-7: Expected Future Water Supply Projects or Programs

DWR Table 6-7 Retail: Expected Future Water Supply Projects or Programs						
<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
<input checked="" 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.					
Section 5.1.5	Page location of narrative					
Name of Future Projects or Programs	Joint Project with other agencies?	Agencies Collaborating with:	Description (if needed)	Planned Implementation Year	Planned for Use in Year Type	Expected Increase in Water Supply to Agency
Recycled Water	No		Recycled water system extensions that will offset existing potable water supply	2017-2025	Average Year	2,000
BAKER WTP	Yes	IRWD, ETWD, SMWD, TCWD	Untreated water from Colorado and SWP treated and provides system reliability in the event of a Deimer outage	2016	Average Year	9,400
NOTES: The other existing and planned sources of supply are discussed Section 5.9						

Appendix Table 2-18: DWR Table 6-8: Water Supplies - Actual

DWR Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
		Actual Volume	Water Quality	Total Right or Safe Yield (optional)
Purchased or Imported Water		26,824	Drinking Water	
Recycled Water		7,988	Recycled Water	
	Total	34,812		0
NOTES:				

Appendix Table 2-19: DWR Table 7-1 Retail: Basis of Water Year Use

DWR 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 checked="" type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided in Tables 7-2 through 7-4.
		<input 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	Average of 1922 to 2004		100%
Single-Dry Year	1977		100%
Multiple-Dry Years 1st Year	1990		100%
Multiple-Dry Years 2nd Year	1991		100%
Multiple-Dry Years 3rd Year	1992		100%
NOTES: MWD assumption of reliability based on MWD 2015 RUWMP. District's recycled water is 100% reliable in all year types also.			

Appendix Table 2-20: DWR Table 7-2 Retail: Normal Year Supply and Demand Comparison

DWR Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (opt)
Supply totals <i>(autofill from Table 6-9)</i>	40,929	44,178	44,938	45,391	45,391
Demand totals <i>(autofill from Table 4-3)</i>	35,915	35,701	35,158	35,154	35,225
Difference	5,014	8,477	9,781	10,237	10,166
NOTES:					

Appendix Table 2-21: DWR Table 7-3 Retail: Single Dry Year Supply and Demand Comparison

DWR Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals	39,147	38,914	38,322	38,318	38,396
Demand totals	39,147	38,914	38,322	38,318	38,396
Difference	0	0	0	0	0
NOTES:					

Appendix Table 2-22: DWR Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

DWR Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	39,147	38,914	38,322	38,318	38,396
	Demand totals	39,147	38,914	38,322	38,318	38,396
	Difference	0	0	0	0	0
Second year	Supply totals	39,147	38,914	38,322	38,318	38,396
	Demand totals	39,147	38,914	38,322	38,318	38,396
	Difference	0	0	0	0	0
Third year	Supply totals	35,915	35,701	35,158	35,154	35,225
	Demand totals	35,915	35,701	35,158	35,154	35,225
	Difference	0	0	0	0	0
NOTES:						

Appendix Table 2-23: DWR Table 8-1: Stages of WSCP

DWR Table 8-1 Retail : Stages of WSCP	
Stage	Complete One or Both
	Percent Supply Reduction ¹ <i>Numerical value as a percent</i>
1	5%
2	10%
3	20%
4	29%
5	52%
¹ One stage in the WSCP must address a water shortage of 50%.	
NOTES: The above percentages are the estimated water savings from implementing each stage to meet the corresponding supply shortfall.	

Appendix Table 2-24: DWR Table 8-2: Restrictions and Prohibitions on End Users

Table 8-2 Retail Only: Restrictions and Prohibitions on End Users			
Stage	Restrictions and Prohibitions on End Users	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement?
1	Landscape - Other landscape restriction or prohibition	Must use recycled water if readily available.	Yes
1	Other water feature or swimming pool restriction	No water budget bill adjustments allowed for pool fills.	Yes
2	Other	No bill adjustments allowed for going over a customer's water budget. Further description in Chapter 9.	Yes
3	Other	No bill adjustments allowed for going over a customer's water budget. Further description in Chapter 9.	Yes
4	Other	No bill adjustments allowed for going over a customer's water budget. Further description in Chapter 9.	Yes
5	Other	No bill adjustments allowed for going over a customer's water budget. Further description in Chapter 9.	Yes
0	CII - Restaurants may only serve water upon request	See Section N.4.M of Rules and Regulations	No
0	Landscape - Restrict or prohibit runoff from landscape irrigation	See Section N.4.H of Rules and Regulations	No
0	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	See Section N.4.J of Rules and Regulations	No
0	Landscape - Limit landscape irrigation to specific times	See Section N.4.D of Rules and Regulations	No
0	Other - Prohibit use of potable water for washing hard surfaces	See Section N.4.I of Rules and Regulations	No
0	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	See Section N.4.L of Rules and Regulations	No
0	Other water feature or swimming pool restriction	See Section N.4.R of Rules and Regulations	No
0	Water Features - Restrict water use for decorative water features, such as fountains	See Section N.4.K of Rules and Regulations	No
0	CII - Lodging establishment must offer opt out of linen service	See Section N.4.N of Rules and Regulations	No
0	Other	No single pass cooling systems. See Section N.4.O of Rules and Regulations	No
0	CII - Commercial kitchens required to use pre-rinse spray valves	See Section N.4.Q of Rules and Regulations	No

Table 8-2 Retail Only: Restrictions and Prohibitions on End Users

Stage	Restrictions and Prohibitions on End Users	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement?
0	CII - Other CII restriction or prohibition	Prohibition of non-recirculating system for commercial laundry. See Section N.4.P of Rules and Regulations	No
0	Other	Prohibition of Waste and Unreasonable Use- See Section N.4.S of Rules and Regulations	No
0	Other	Conservation Devices Required- See section N.4.C of Rules and Regulations	No
0	Landscape - Other landscape restriction or prohibition	Limits on watering duration- See section N.4.E of Rules and Regulations	No
0	Landscape - Other landscape restriction or prohibition	No watering during rain- See section N.4.F of Rules and Regulations	No
0	Landscape - Other landscape restriction or prohibition	Plant low water demand plants- See section N.4.G of Rules and Regulations	No
0	Pools and Spas - Require covers for pools and spas	See Section N.4.R of Rules and Regulations	No
<p>NOTES: Section N of the District's Rules and Regulations is the District's Water Shortage Contingency Plan which is provided in Appendix 4.</p>			

Appendix Table 2-25: DWR Table 8-3: Stages of WSCP - Consumption Reduction Methods

Table 8-3 Retail Only: Stages of WSCP - Consumption Reduction Methods		
Stage	Consumption Reduction Methods by Water Supplier	Additional Explanation or Reference <i>(optional)</i>
1	Expand Public Information Campaign	Implemented to meet up to a 5% supply shortfall.
2	Implement or Modify Drought Rate Structure or Surcharge	Implemented to meet up to a 10% supply shortfall.
3	Implement or Modify Drought Rate Structure or Surcharge	Implemented to meet up to a 20% supply shortfall.
4	Implement or Modify Drought Rate Structure or Surcharge	Implemented to meet up to a 29% supply shortfall.
5	Implement or Modify Drought Rate Structure or Surcharge	Implemented to meet up to a 52% supply shortfall.
NOTES:		

Appendix Table 2-26: DWR Table 8-4: Minimum Supply Next Three Years

DWR Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	35,005	35,005	35,005
NOTES: The above is Moulton Niguel Water District's share based on MWDOC's allocation of the MWD Water Shortage Allocation Plan Stage 3 for the next 3 years.			

Appendix Table 2-27: DWR Table 10-1 Retail: Notification to Cities and Counties

DWR Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
<i>City of Laguna Niguel</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>City of Laguna Hills</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>City of San Juan Capistrano</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>City of Mission Viejo</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>City of Aliso Viejo</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>City of Dana Point</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
County Name	60 Day Notice	Notice of Public Hearing
<i>Orange County</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NOTES:		

Appendix 3 SBx77 Tables

Appendix Table 3-1: SB X7-7 Table-1: Baseline Period Ranges

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	43,342	Acre Feet
	2008 total volume of delivered recycled water	8,251	Acre Feet
	2008 recycled water as a percent of total deliveries	19.04%	Percent
	Number of years in baseline period ¹	15	Years
	Year beginning baseline period range	July 1, 1990	
	Year ending baseline period range ²	June 30, 2005	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	July 1, 2003	
	Year ending baseline period range ³	June 30, 2008	
<p>¹If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.</p>			
<p>²The ending year must be between December 31, 2004 and December 31, 2010.</p>			
<p>³The ending year must be between December 31, 2007 and December 31, 2010.</p>			
NOTES:			

Appendix Table 3-2: SB X7-7 Table 2: Methods for Population Estimates

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 type="checkbox"/>	3. DWR Population Tool
<input checked="" type="checkbox"/>	4. Other DWR recommends pre-review
NOTES: Utilized data provided by Center for Demographic Research at Cal State Fullerton.	

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

SB X7-7 Table 3: Service Area Population			
Year		Population*	Notes
10 to 15 Year Baseline Population			
Year 1	1991	108,610	Open field for text
Year 2	1992	114,479	
Year 3	1993	119,876	
Year 4	1994	123,646	
Year 5	1995	126,832	
Year 6	1996	130,974	
Year 7	1997	136,571	
Year 8	1998	142,666	
Year 9	1999	148,748	
Year10	2000	156,647	
<i>Year11</i>	<i>2001</i>	159,098	
<i>Year12</i>	<i>2002</i>	161,416	
<i>Year13</i>	<i>2003</i>	163,246	
<i>Year14</i>	<i>2004</i>	164,112	
<i>Year15</i>	<i>2005</i>	163,413	
5 Year Baseline Population			
Year 1	2004	164,112	Open field for text
Year 2	2005	163,413	
Year 3	2006	162,574	
Year 4	2007	162,108	
Year 5	2008	162,475	
2015 Compliance Year Population			
2015		170,326	Open text
<p>*Depending on the method used, the "Population" column is filled from either DOF data, DWR population tool, or manually if using "Other".</p>			
NOTES:			

Appendix Table 3-4: SB X7-7 Table 4: Annual Gross 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>Fm SB X7-7 Table(s) 4-A</i>	Deductions					Annual Gross Water Use
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>Fm SB X7-7 Table 4-B</i>	Water Delivered for Agricultural Use	Process Water <i>Fm SB X7-7 Table(s) 4-D</i>	
10 to 15 Year Baseline - Gross Water Use								
Year 1	1991	31,063			0		0	31,063
Year 2	1992	29,707			0		0	29,707
Year 3	1993	31,169			0		0	31,169
Year 4	1994	32,323			0		0	32,323
Year 5	1995	32,540			0		0	32,540
Year 6	1996	35,412			0		0	35,412
Year 7	1997	36,975			0		0	36,975
Year 8	1998	32,681			0		0	32,681
Year 9	1999	35,159			0		0	35,159
Year 10	2000	38,040			0		0	38,040
<i>Year 11</i>	2001	34,518			0		0	34,518
<i>Year 12</i>	2002	35,712			0		0	35,712
<i>Year 13</i>	2003	33,721			0		0	33,721
<i>Year 14</i>	2004	34,742			0		0	34,742
<i>Year 15</i>	2005	32,230			0		0	32,230
10 - 15 year baseline average gross water use								33,733
5 Year Baseline - Gross Water Use								
Year 1	2004	34,742			0		0	34,742
Year 2	2005	32,230			0		0	32,230
Year 3	2006	33,438			0		0	33,438
Year 4	2007	36,679			0		0	36,679
Year 5	2008	35,091			0		0	35,091
5 year baseline average gross water use								34,436
2015 Compliance Year - Gross Water Use								
2015		26,824			0		0	26,824
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								

Appendix Table 3-5: SB X7-7 Table 4-A: Volume Entering the Distribution System(s) RW

SB X7-7 Table 4-A: Volume Entering the Distribution System(s) Complete one table for each source.				
Name of Source		Recycled Water		
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	1991	346		346
Year 2	1992	532		532
Year 3	1993	721		721
Year 4	1994	1,561		1,561
Year 5	1995	1,884		1,884
Year 6	1996	2,064		2,064
Year 7	1997	2,508		2,508
Year 8	1998	1,714		1,714
Year 9	1999	3,388		3,388
Year 10	2000	5,670		5,670
Year 11	2001	5,864		5,864
Year 12	2002	6,929		6,929
Year 13	2003	7,090		7,090
Year 14	2004	7,445		7,445
Year 15	2005	6,660		6,660
5 Year Baseline - Water into Distribution System				
Year 1	2004	7,445		7,445
Year 2	2005	6,660		6,660
Year 3	2006	7,011		7,011
Year 4	2007	8,788		8,788
Year 5	2008	8,251		8,251
2015 Compliance Year - Water into Distribution System				
	2015	7,988		7,988
* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document				
NOTES:				

Appendix Table 3-6: SB X7-7 Table 4-A: Volume Entering the Distribution System(s) MWDOC

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)				
Complete one table for each source.				
Name of Source		MWDOC Purchases		
This water source is:				
<input type="checkbox"/>	The supplier's own water source			
<input checked="" type="checkbox"/>	A purchased or imported source			
Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* Optional (+/-)	Corrected Volume Entering Distribution System	
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1991	31,063		31,063
Year 2	1992	29,707		29,707
Year 3	1993	31,169		31,169
Year 4	1994	32,323		32,323
Year 5	1995	32,540		32,540
Year 6	1996	35,412		35,412
Year 7	1997	36,975		36,975
Year 8	1998	32,681		32,681
Year 9	1999	35,159		35,159
Year 10	2000	38,040		38,040
Year 11	2001	34,518		34,518
Year 12	2002	35,712		35,712
Year 13	2003	33,721		33,721
Year 14	2004	34,742		34,742
Year 15	2005	32,230		32,230
5 Year Baseline - Water into Distribution System				
Year 1	2004	34,742		34,742
Year 2	2005	32,230		32,230
Year 3	2006	33,438		33,438
Year 4	2007	36,679		36,679
Year 5	2008	35,091		35,091
2015 Compliance Year - Water into Distribution System				
2015		26,824		26,824
<i>* Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document</i>				
NOTES:				

Appendix Table 3-7: SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)

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	1991	108,610	31,063	255
Year 2	1992	114,479	29,707	232
Year 3	1993	119,876	31,169	232
Year 4	1994	123,646	32,323	233
Year 5	1995	126,832	32,540	229
Year 6	1996	130,974	35,412	241
Year 7	1997	136,571	36,975	242
Year 8	1998	142,666	32,681	205
Year 9	1999	148,748	35,159	211
Year10	2000	156,647	38,040	217
<i>Year11</i>	2001	159,098	34,518	194
<i>Year12</i>	2002	161,416	35,712	198
<i>Year13</i>	2003	163,246	33,721	184
<i>Year14</i>	2004	164,112	34,742	189
<i>Year15</i>	2005	163,413	32,230	176
10-15 Year Average Baseline GPCD				216
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	2004	164,112	34,742	189
Year 2	2005	163,413	32,230	176
Year 3	2006	162,574	33,438	184
Year 4	2007	162,108	36,679	202
Year 5	2008	162,475	35,091	193
5 Year Average Baseline GPCD				189
2015 Compliance Year GPCD				
2015		170,326	26,824	141
NOTES:				

Appendix Table 3-8: SB X7-7 Table 6: Gallons per Capita per Day

SB X7-7 Table 6: Gallons per Capita per Day <i>Summary From Table SB X7-7 Table 5</i>	
10-15 Year Baseline GPCD	216
5 Year Baseline GPCD	189
2015 Compliance Year GPCD	141
NOTES:	

Appendix Table 3-9: SB X7-7 Table 7: 2020 Target Method

SB X7-7 Table 7: 2020 Target Method <i>Select Only One</i>		
Target Method		Supporting Documentation
<input checked="" type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D
<input type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator
NOTES:		

Appendix Table 3-10: SB X7-7: Table 7-A: Target Method 1

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
216	173
NOTES:	

Appendix Table 3-11: SB X7-7 Table 7-E: Target Method 3

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

Appendix Table 3-12: SB X 7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

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*	Calculated 2020 Target From Appropriate Target Table	Confirmed 2020 Target
189	179	173	173
<i>* Maximum 2020 Target is 95% of the 5 Year Baseline GPCD</i>			
NOTES:			

Appendix Table 3-13: SB X7-7 Table 8: 2015 Interim Target GPCD

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
173	216	194
NOTES:		

Appendix Table 3-14: SB X7-7 Table 9: 2015 Compliance

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?
		Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD		
141	194	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	<i>From Methodology 8 (Optional)</i>	0	141	141	YES
NOTES:								

Appendix 4 Ordinance 15-01 Prohibited Water Waste Activities

ORDINANCE NO. 15-01

**AN ORDINANCE OF THE MOULTON NIGUEL WATER DISTRICT PRESCRIBING
WATER CONSERVATION RULES AND REGULATIONS**

WHEREAS, California Constitution article X, section 2 and California Water Code section 100 provide that because of conditions prevailing in the state of California (the "State"), it is the declared policy of the State that the general welfare requires that the water resources of the State shall be put to beneficial use to the fullest extent of which they are capable, the waste or unreasonable use of water shall be prevented, and the conservation of such waters is to be exercised with a view to the reasonable and beneficial use thereof in the interest of the people and the public welfare; and

WHEREAS, pursuant to California Water Code section 106, it is the declared policy of the State that the use of water for domestic use is the highest use of water and that the next highest use is for irrigation; and

WHEREAS, pursuant to California Water Code section 375, the Moulton Niguel Water District (the "District") is authorized to adopt and enforce a water conservation program to reduce the quantity of water used by persons within its jurisdiction for the purpose of conserving the water supplies of the District; and

WHEREAS, on January 17, 2014, the Governor Brown proclaimed a condition of statewide drought and called upon local agencies to take aggressive, immediate action to reduce water consumption locally and regionally by 20%; and

WHEREAS, because of the prevailing conditions in the State, the current statewide drought, and the declared policy of the State, the District hereby finds and determines that it is necessary and appropriate for the District to adopt, implement, and enforce a water conservation program to reduce the quantity of water used by consumers within the District to ensure that there is sufficient water for human consumption, sanitation, and fire protection; and

WHEREAS, pursuant to California Water Code section 350 the Board of Directors is authorized to declare a water shortage emergency to prevail within its jurisdiction when it finds and determines that the District will not be able to or cannot satisfy the ordinary demands and requirements of water consumers without depleting the water supply of the District to the extent that there would be insufficient water for human consumption, sanitation, and fire protection, and as more fully set forth in this chapter; and

WHEREAS, in the event the District determines that it is necessary to declare that a water shortage emergency exists, the District will be authorized, pursuant to the Water Shortage Contingency Plan adopted pursuant to this Ordinance, to implement certain shortage response measures and a water conservation and regulatory program to regulate water consumption activities within the District and ensure that the water delivered in the District is put to beneficial use for the greatest public benefit, with particular regard to domestic use, including human consumption, sanitation, and fire protection, and that the waste or unreasonable use of water is prevented; and

WHEREAS, the District is authorized to prescribe and define by ordinance restrictions, prohibitions, and exclusions for the use of water during a threatened or existing water shortage and adopt and enforce a water conservation and regulatory program to: (i) prohibit the waste of District water or the use of District water during such period; (ii) prohibit use of water during such periods for specific uses that the District may from time to time find nonessential; and (iii) reduce and restrict the quantity of water used by those persons within the District for the purpose of conserving the water supplies of the District; and

WHEREAS, the District hereby finds and determines that as hereby amended, the District shall: (i) implement water conservation and water shortage response measures; (i) regulate the water consumption activities of persons within the District for the purposes of conserving and protecting the District's water supplies, reducing the quantity of water consumed, and deterring and preventing the waste or unreasonable use or unreasonable method of use of valuable water resources; and (ii) establish and collect regulatory fees and impose administrative penalties as set forth herein to accomplish these purposes and/or recover the costs of the District's water conservation and regulatory program; and

WHEREAS, the District hereby finds and determines that it is desirable to codify the rules and regulations governing its actions, and the actions of persons using and consuming water within the District, particularly during declared water shortages and water shortage emergencies, to protect the general welfare and the District's water supplies, and to reduce water consumption in accordance with the declared policies and laws of the State.

NOW THEREFORE BE IT ORDAINED by the Board of Directors of the Moulton Niguel Water District as follows:

Section 1. Findings and Determinations

The District hereby finds and determines that the above recitals are true and correct and incorporated herein.

Section 2. Amendments to District Rules and Regulations.

Moulton Niguel Water District's Article IV Rules and Regulations, Section 5.N., and Exhibit G, amendments to Section 5.N., are hereby amended in their entirety and replaced with the following rules and regulations governing water conservation:

N. Water Conservation

1. Findings and Intent

(A) **Findings.** The Board of Directors finds and determines that because of the prevailing conditions in the State, and the declared policy of the State, it is necessary and appropriate for the District to adopt, implement, and enforce a water conservation program to reduce the quantity of water used by persons within the District to ensure that there is sufficient water for human consumption, sanitation, and fire protection. The District further finds and determines that during periods of drought, water shortages, and water shortage emergencies the general welfare requires that the District maximize the beneficial use of its available water resources to the extent that it is capable, and that the waste or unreasonable use, or unreasonable method of use of water shall be prevented and the conservation of water is to be extended with the view to the reasonable and beneficial use thereof in the interests of the people of the District and for the public health, safety, and welfare.

(B) **Intent.** This Section 5.N. is intended to establish:

(1) permanent water conservation BMPs and response measures;

(2) rules, regulations, and restrictions on water use (the "Rules") to be implemented during declared water shortage stages, with increasing restrictions on water use in response to decreasing water supplies and worsening water shortage conditions.

(C) **Demand Management Through Rate Structure Design.** The District's water budget-based rate structure is designed and intended to be a water demand management tool and to proportionately recover the costs of providing water service within the District. The District's efforts in managing its water supply are best achieved through its water budget-based rate structure and the calculated water budgets provided to the District's customers.

(D) **Use of Property.** This Section 5.N. is not intended to repeal, abrogate, annul, impair or in any way interfere with the free use of property by covenant, deed, or other

private agreement or with restrictive covenants running with the land to which the District provides water services.

2. **Purposes and Scope**

(A) **Purposes.** The purposes of this Section 5.N. are to:

- (1) protect the health, safety and welfare of the citizens and property owners of the District;
- (2) assure the maximum beneficial use of available water supplies;
- (3) attempt to provide sufficient water supplies to meet, at a minimum, the basic needs of human consumption, sanitation, and fire protection; and
- (4) authorize restrictions in water use during declared water shortages to maximize the beneficial use of water, and the imposition of penalties for violations of the Rules.

(B) **Scope.** The provisions of this Section 5.N. shall apply to all persons within the District and all property served by the District wherever situated. Nothing in this Section 5.N. is intended to affect or limit the ability of the District to respond to an emergency, including an emergency that affects the ability of the District to supply water.

3. **Definitions**

For the purposes of this Section 5.N., the following words, terms, and phrases shall have the following meanings:

(A) “Appellant” means the person appealing the imposition of a penalty imposed by the District for a violation of the Rules pursuant to this Section 5.N.

(B) “BMPs” mean best management practices.

(C) “Calculated water budget” means the water budget calculated by the District for each customer in accordance with the District’s water rate structures.

(D) “Calculated recycled water budget” means the recycled water budget calculated by the District for each customer in accordance with the District’s recycled water rate structure.

(E) "Ccf" means one hundred cubic feet.

(F) "District" means the Moulton Niguel Water District.

(G) "General Manager" means the General Manager of the District or her or his authorized designee.

(H) "Immediate emergency" shall have the meaning set forth in Section 5.N.6.(D).

(I) "19 Account customers" shall have the meaning set forth in Section 5.N.9.(A).

(J) "Person" means any natural person, firm, joint venture, joint stock company, partnership, public or private association, club, company, corporation, business trust, organization, public or private agency, government agency or institution, school district, college, university, any other user of water provided by the District, or the manager, lessee, agent, servant, officer or employee of any of them or any other entity which is recognized by law as the subject of rights or duties.

(K) "Plant factor" means the water needs of specific types of plants as established through guidelines provided by state law and the State Department of Water Resources' Model Water Efficient Landscape Ordinance established under Assembly Bill 1881.

(L) "Potable Water" means that water furnished to the customer which complies with federal and State drinking water regulations and standards, or any other applicable standards, for human consumption.

(M) "Property owner" or "owner" means the record owner of real property as shown on the most recently issued equalized assessment roll.

(N) "Recycled water" means water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource.

(O) "Rules" shall have the meaning set forth in in Section 5.N.1.(B)(2).

(P) "RC9 Account customers" shall have the meaning set forth in Section 5.N.14(A)(1).

(Q) "State" means the state of California, including any department or regulatory agency thereof.

(R) "Water customer" or "customer" means a person who, according to the District's records, has an account with the District and receives water service or recycled water service to a parcel of property.

(S) "Water shortage emergency" means a condition existing within the District in which the ordinary water demands and requirements of persons within the District cannot be satisfied without depleting the water supply of the District to the extent that there would be insufficient water for human consumption, sanitation, and fire protection. A water shortage emergency includes both an immediate emergency, in which the District is unable to meet current water needs of persons within the District, as well as a threatened water shortage, in which the District determines that its future supply of water may not meet an anticipated future demand.

(T) "WUCOLS" shall have the meaning set forth in Section 5.N.8.(D).

4. Water Conservation Best Management Practices

(A) **Conservation through BMP's.** Recognizing that water is our most vital resource, the following water conservation BMPs have been established to conserve water, prevent the waste or unreasonable use or unreasonable method of use of water, and preserve the District's water supplies. The BMPs shall be in effect at all times. Except as otherwise provided in this Section 5.N.4., the BMPs shall not apply to the use of recycled water.

(B) **Installation of Water Conservation Devices.** No water shall be provided by the District for internal or external use to any residential, commercial, industrial, agricultural, recreational, governmental, or public building or structure of any kind which is constructed or altered and in which either internal or external irrigation or domestic water piping or water fixtures are to be installed, extended, or altered in any way, including, but not limited to, any plumbing, water piping, or water fixtures for which a construction permit is required to be obtained from the County of Orange or its successor, or for which District approval of plans and service applications are required, unless the new, extended, or altered plumbing, water piping, or other water using facilities conform to the requirements and standards of this Section 5.N.4.(C) of the Rules and Regulations.

(C) **Standards for Water Conservation Devices.** The required water conservation devices and standards of the District are those set forth on Exhibit "F" to these Rules and Regulations. Nothing herein provided shall be deemed to relieve any person from compliance with the plumbing code of the County of Orange or any other state or local plumbing or building requirements.

(D) **Limits on Watering Hours.** Watering or irrigating any lawn, landscape or other vegetated area with potable water should be avoided between the hours of 9:00 a.m. and 5:00 p.m. on any day, except by use of a hand-held bucket or similar container, a hand-held hose equipped with an automatic shut-off nozzle or device, or for very short periods of time for the express purpose of adjusting or repairing an irrigation system.

(E) **Limits on Water Duration.** Watering or irrigating any lawn, landscape or other vegetated area with potable water using a landscape irrigation system or watering device that is not continuously attended should be limited to no more than eight minutes of watering per station every other day during the summer and less than six minutes during the spring, fall and winter. This subsection does not apply to landscape irrigation systems that exclusively use very low-flow irrigation systems where no emitter produces more than two gallons of water per hour.

(F) **No Watering During Rain.** Watering or irrigating any lawn, landscape or other vegetated area with potable water should be avoided when it is raining.

(G) **Plant Low-Water Demand Plants and Trees.** When installing new landscaping, plant only low-water demand trees and plants. New turf should only be installed for functional purposes. Functional turf is defined as turf used for athletic or high traffic areas.

(H) **No Excessive Water Flow or Runoff.** Watering or irrigating any lawn, landscape or other vegetated area in a manner that causes or allows excessive flow or runoff of potable or recycled water onto an adjoining sidewalk, driveway, street, alley, gutter or ditch should be avoided.

(I) **No Washing Down Hard or Paved Surfaces.** Washing down hard or paved surfaces, including but not limited to sidewalks, walkways, driveways, parking areas, tennis courts, patios or alleys, should be avoided except when necessary to alleviate safety or sanitary hazards, and then only by use of a hand-held bucket or similar container, a hand-held hose equipped with an automatic shut-off device or a low-volume, high-pressure cleaning machine equipped to recycle any water used.

(J) **Obligation to Fix Leaks, Breaks or Malfunctions.** Excessive use, loss or escape of potable or recycled water through breaks, leaks or other malfunctions in the water user's plumbing or distribution system should be avoided for any period of time after such escape of water should have reasonably been discovered and corrected. It is unlawful for any person to permit for the forgoing for more than five days after receiving notice from the District of any such break, leak, or other malfunction.

(K) **Re-circulating Water Required for Water Fountains and Decorative Water Features.** Operating a water fountain or other decorative water feature that does not use re-circulated water is prohibited.

(L) **Limits on Washing Vehicles.** Using potable water to wash or clean a vehicle, including but not limited to any automobile, truck, van, bus, motorcycle, boat or trailer, whether motorized or not, should be avoided, except by use of a hand-held bucket or similar container, a hand-held hose equipped with an automatic water shut-off nozzle or a low volume power washer with an automatic water shut-off nozzle. This paragraph does not apply to commercial car washes or the washing of vehicles regulations where the health, safety, and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles used to transport food and perishables.

(M) **Drinking Water Served Upon Request Only.** Eating or drinking establishments, including but not limited to a restaurant, hotel, café, cafeteria, bar, club or other public place where food or drinks are sold, served, or offered for sale, should only provide drinking water to persons when expressly requested.

(N) **Commercial Lodging Establishments Must Provide Option to Not Launder Linens Daily.** Hotels, motels and other commercial lodging establishments should provide customers the option of not having towels and linens laundered daily. Commercial lodging establishments should prominently display notice of this option in each bathroom using clear and easily understood language.

(O) **Installation of Single Pass Cooling Systems.** Single pass cooling systems shall not be installed in buildings requesting new potable water service.

(P) **Installation of Non-re-circulating Water Systems in Commercial Car Washes and Laundry Systems.** Non-recirculating water systems in commercial car washes and laundry systems shall not be installed.

(Q) **Restaurants Required to Use Water Conserving Dish Wash Spray Valves.** Food preparation establishments, such as restaurants or cafés, shall not use non-water conserving dish wash spray valves.

(R) **Swimming Pools and Spa Covers.** Property owners who have a swimming pool or a spa are encouraged to cover the facilities to minimize water loss due to evaporation.

(S) **Water Waste and Unreasonable Water Use Prohibited.** The waste or unreasonable use or unreasonable method of use of water by any person shall be prohibited at all times.

5. Water Shortages

(A) **Reductions in Water Supply.** Should the BMPs be inadequate to protect the District's potable water supply, the District Board of Directors reserves the right to implement further mandatory Rules to reduce the amount of water used within the District. The Rules are necessary to respond to any significant reductions to the District's water supply as a result of drought, natural disasters, regulatory action, and planned or unplanned potable water shortages, including but not limited to, shortages arising from the following circumstances or events that are or may impact the District's water supply:

(1) the District's wholesale water supplier has determined that a drought, water shortage, or water shortage emergency exists or has implemented or taken other actions requiring a reduction in water demand;

(2) Metropolitan Water District of Southern California ("MWD") Water Supply Allocation Plan implementation or other actions requiring a reduction in water demand;

(3) regional or statewide importation or local distribution systems or facility(ies) have failed or have been shut down (e.g., a main break, reservoir, pipeline, canal, or other distribution or conveyance system failure);

(4) alternative water supplies are limited or unavailable;

(5) the State has determined that a drought, water shortage or water shortage emergency exists;

(6) the State has implemented restrictions on the use of water or reduced or restricted the delivery of wholesale water to the District; and

(7) any other natural disaster that impacts the availability of water to the District.

(B) **Application.** The provisions of this Section 5.N. shall apply to all persons using potable water within the District, regardless of whether any person using potable water or recycled water has a contract or account for water service.

6. Declaration of Water Shortages

(A) **District Water Supply.** The General Manager shall monitor the projected supply and demand for water by the District's customers on a frequent basis during periods of a water shortage or drought and shall recommend to the Board of Directors the extent of the conservation measures required through the implementation and/or termination of particular water shortage stages to prudently plan and supply water to its customers. The General Manager will recommend the appropriate stage of response to a water shortage based on the best information available at the time. In addition to the circumstance and events set forth in Section 5.N.5(A), conditions that may be considered include, but are not limited to:

(1) District water supply conditions and storage levels;

(2) statewide water supply conditions;

(3) local water supply and demand conditions; and

(4) actions by surrounding wholesale and retail water agencies; and

(5) any other conditions the General Manager believes will adversely affect the District's available water supply.

(B) **Declaration of Water Shortage Stages.** The declaration of any water shortage stage declared pursuant to Section 5.N.7 shall be made by the recommendation of the General Manager and the adoption of a resolution of the Board of Directors. The water shortage stage designated shall become effective immediately upon adoption of the resolution by the Board of Directors.

(C) **Notice and Publication.** Within ten (10) days of the adoption of the resolution declaring the applicable water shortage stage, the District shall make a public announcement of the applicable water shortage stage, which shall be published a minimum of three (3) times in a daily newspaper of general circulation and posted on the District's website.

(1) Such declaration and notice shall provide the extent, terms, and conditions respecting the use and consumption of water in accordance with the applicable water shortage stage as provided in this Section 5.N.

(2) The District will periodically provide the public with information about the Rules, including conditions under which each water shortage stage is to be initiated or terminated and the conservation response measures to be implemented in each stage.

(3) Upon such declaration and publication of the notice required herein, due and proper notice shall be deemed to have been given each and every person supplied water within the District of the Rules governing the applicable water shortage stage.

(D) **Declaration of Water Shortage Emergency.** Excepting in event of a breakage or failure of a dam, pump, pipe line or conduit causing an immediate emergency (an "immediate emergency"), the declaration of a water shortage emergency during any water shortage stage shall be made in accordance with California Water Code sections 350 *et seq.*

(1) The declaration of a water shortage emergency other than an immediate emergency shall be made only after a public hearing at which consumers have an opportunity to be heard to protest the declaration and to present their respective needs to the Board of Directors.

(2) Notice of the time and place of the public hearing shall be published pursuant to Section 6061 of the Government Code at least seven days prior to the date of the public hearing in a newspaper printed, published, and circulated within the area in which the water supply is distributed, or if there is no such newspaper, in any newspaper printed, published, and circulated in the Orange County.

(3) After the close of the public hearing, the Board of Directors shall be authorized to adopt a resolution declaring a water shortage emergency. The resolution shall take effect immediately upon adoption.

(4) After adopting the resolution, the declaration of the Board of Directors of the water shortage emergency shall be made by public announcement on the

District's website and shall be published a minimum of one time in a newspaper of general circulation.

(5) The Rules on water use during the water shortage emergency shall remain in full force and effect during the period of the emergency and until the supply of water available for distribution within the District's service area has been replenished or augmented. After adopting the resolution, the declaration of the Board of Directors of the appropriate water shortage stage shall be made by public announcement on the District's website and shall be published a minimum of one time in a newspaper of general circulation.

(E) **Determination of Immediate Emergency.** Notwithstanding the forgoing, if an immediate emergency occurs and the Board of Directors cannot meet in time to act to protect the public interest pursuant to this Section 5.N., the General Manager is hereby authorized and directed to implement such provisions of this Section 5.N. upon his or her written determination that the District cannot supply adequate water to meet the ordinary demands of water consumers, and that such implementation is necessary to protect the public health and safety.

(1) The implementation of any such provisions shall take effect immediately upon making a public announcement of the immediate emergency and publication of such immediate emergency on the District's website.

(2) Such written determination shall be delivered to the Board of Directors and considered at a general or special meeting for review, revocation, or ratification. Such meeting shall be held upon the earliest date that a quorum of the Board of Directors is available.

(3) At the Board of Directors meeting, the General Manager shall update the Board of Directors on the severity and length of the immediate emergency.

(4) During an immediate emergency, the District may specify temporary restrictions on the use of potable and recycled water. Any person who willfully fails to comply with those temporary restrictions may be subject to an administrative penalty of \$500 per offense and have his or her water meter locked by the District.

(F) **Implementation of Water Shortage Stages.** As water supply conditions either deteriorate or improve, the General Manager will return to the Board of Directors to recommend, as appropriate, revising the appropriate water shortage stage of response.

(1) It shall not be necessary to implement any water shortage stage prior to another; the water shortage stages may be implemented in any reasonable order. Except for a water shortage emergency or immediate emergency, any stage implemented shall be in effect for up to 120 days, at which point the Board shall determine whether to continue a water shortage stage.

(2) The District will implement an appropriate stage based on current water conditions. Higher stages will be implemented as shortages continue and/or if customers' responses to the water shortage measures in effect do not bring about desired water savings.

(3) Restrictions, penalties and enforcement will build on each other as higher stages are implemented. All prior tier reductions and variance procedure modifications in lower stages are cumulative into the higher stages.

(G) **Actions or Restrictions by the State or Other Agencies.** In the event the State or other agencies, through executive action, emergency legislation or other actions, impose conditions, requirements, or procedures that are not included in this Section 5.N., the General Manager is authorized to implement such measures as are reasonably required to bring the District's actions in each stage into functional conformity with such conditions, requirements, or procedures.

(H) **Public Outreach.** When the Board of Directors determines that a water shortage condition exists, any or all of the following notification procedures may be implemented:

(1) Notify the general public stakeholders, elected officials and other key decision-makers regarding the water shortage condition, actions to be taken, goals customers are intended to achieve, and how these actions and goals will be implemented.

(2) The public at large will be informed of the situation and actions the District will be taking. Communications may occur through any of the following: billing inserts, special mailings, telephone contact, e-mail, social media, roadway signage, water conservation booths, and other booths in the community, community association meetings, newsletters, and education programs, etc. Literature appropriate to the drought circumstance will be provided regarding the water shortage condition, conservation methods, and water-savings devices.

(3) Use of all forms of media may be employed. This would include public service announcements on radio and cable television, social media as well as earned media, and advertisements in local newspapers.

(4) The District's web site, www.MNWD.com, will be the central location for messaging and customer communications

7. Water Shortage Stage 1 – Potable Water Reductions

(A) **Voluntary Reductions.** During a Water Shortage Stage 1 ("Stage 1"), the District's conservation efforts will be focused on voluntary reductions in potable water use. Potable water customers may reduce demand by following the District's BMPs.

(B) **Refills of Swimming Pools.** Any customer who refills a swimming pool shall not receive a variance to his or her calculated water budget and shall be billed for water used according to the applicable tier for the corresponding use. No bill variance adjustments shall be granted.

8. Water Shortage Stage 2 – Mandatory Potable Water Use Rules

(A) **Mandatory Rules Governing Potable Water Budgets.** During a Water Shortage Stage 2 ("Stage 2"), all potable water customers shall be prohibited from using potable water in excess of their calculated water budget.

(B) **Penalties.** During a Stage 2, any potable water customer who willfully uses water in excess of his or her calculated potable water budget shall be in violation of these Rules and shall pay an administrative penalty of \$7.43 for each ccf, or portion thereof, of potable water used in excess of his or her calculated potable water budget.

(1) Such penalty shall be in addition to the water service fees the District imposes for the potable water delivered to the customer.

(C) **Refills of Swimming Pools.** During a Stage 2, any customer who refills a swimming pool shall not receive a variance to their calculated water budget and shall be billed for water used according to the applicable tier for the corresponding use. No bill variance adjustments shall be granted.

(D) **Plant Variances.** During a Stage 2, any person installing new landscaping, a new plant variance will only be granted for California friendly vegetation as

defined by the Water Use Classifications of Landscape Species (“WUCOLS”) to have low or very low watering needs for the South Coastal Region. The classifications can be found at http://ucanr.edu/sites/WUCOLS/Plant_Search/.

9. Water Shortage Stage 3 – Mandatory Potable Water Use Rules

(A) **Recalculation of Potable Water Budgets.** During a Water Shortage Stage 3 (“Stage 3”), potable water customers’ water budgets shall be recalculated as follows:

(1) all single-family residential, multi-family residential, and potable irrigation customers, except for irrigation customers in high traffic areas (“I9 Account customers”), shall have their outdoor water budgets reduced by 40%, resulting in outdoor water budgets being recalculated using a plant factor of 0.42.

(2) I9 Account customers shall have their outdoor water budgets reduced by 40%, resulting in outdoor water budgets recalculated using a plant factor of 0.6.

(B) **Mandatory Rules Governing Potable Water Budgets.** During a Stage 3, all potable water customers shall be prohibited from using water in excess of their recalculated water budgets.

(C) **Penalties.** During a Stage 3, any potable water customer who willfully uses water in excess of his or her recalculated water budget shall be in violation of these Rules and shall pay an administrative penalty of \$7.43 for each ccf, or portion thereof, of water used in excess of his or her recalculated water budget.

(1) The penalty shall be in addition to the water service fees the District imposes for the water delivered to the customer.

(2) The penalty corresponds to water usage above the modifications to tier widths.

(D) **Refills of Swimming Pools.** During a Stage 3, any customer who refills a swimming pool shall not receive a variance to their calculated water budget and shall be billed for water used according to the applicable tier for the corresponding use. No bill variance adjustments shall be granted.

(E) **Plant Variances.** During a Stage 3, any person installing new landscaping, a new plant variance will only be granted for California friendly vegetation as

defined by the WUCOLS to have low or very low watering needs for the South Coastal Region. The classifications can be found at http://ucanr.edu/sites/WUCOLS/Plant_Search/.

10. Water Shortage Stage 4 – Mandatory Potable Water Use Rules

(A) **Recalculation of Potable Water Budgets.** During a Water Shortage Stage 4 (“Stage 4”), potable water customers’ water budgets shall be recalculated as follows:

(1) single-family residential, multi-family residential, and potable irrigation customers, except for I9 Account customers, shall have their outdoor water budgets reduced by 70%, resulting in outdoor water budgets being recalculated using a plant factor of 0.21; and

(2) I9 Account customers shall have their outdoor water budgets recalculated using a plant factor of 0.30.

(B) **Mandatory Rules Governing Potable Water Budgets.** During a Stage 4, all potable water customers shall be prohibited from using water in excess of their recalculated water budgets.

(C) **Penalties.** During a Stage 4, any potable water customer who willfully uses water in excess of his or her recalculated water budget shall be in violation of these Rules and shall pay an administrative penalty of \$7.43 for each ccf, or portion thereof, of water used in excess of his or her recalculated or assigned water budget.

(1) Such penalty shall be in addition to the water service fees the District imposes for the water delivered.

(2) The penalty corresponds to water usage above the modifications to tier widths.

(D) **Refills of Swimming Pools.** During a Stage 4, any customer who refills a swimming pool shall not receive a variance to their calculated water budget and shall be billed for water used according to the applicable tier for the corresponding use. No bill variance adjustments shall be granted.

(E) **Plant Variances.** During a Stage 4, any person installing new landscaping, a new plant variance will only be granted for California friendly vegetation as

defined by the WUCOLS to have low or very low watering needs for the South Coastal Region. The classifications can be found at http://ucanr.edu/sites/WUCOLS/Plant_Search/.

11. Water Shortage Stage 5 – Mandatory Potable Water Use Rules

(A) **Recalculation of Potable Water Budgets.** During a Water Shortage Stage 5 (“Stage 5”), potable customers’ water budgets shall be recalculated as follows:

(1) all single-family residential and multi-family residential customers shall have their indoor water budgets reduced from 60 gallons per capita per day to 40 gallons per capita per day;

(2) all Commercial potable water customers shall be prohibited from using potable water in excess of their calculated water budgets;

(B) **Mandatory Rules Governing Potable Water Budgets.** During a Stage 5, all single-family residential and multi-family residential customers shall be prohibited from using water in excess of their recalculated indoor water budgets. Outdoor budgets will be reduced to zero.

(C) **Mandatory Rules Governing Potable Water Use.** During a Stage 5, all potable water irrigation customers shall be prohibited from using potable water. All outdoor irrigation with potable water shall be prohibited within the District’s service area.

(D) **Penalties.** The following penalties shall be imposed for any violation of the Rules set forth in this Section 5.N.11:

(1) Any single-family residential and multi-family residential customer who willfully uses potable water in excess of his or her recalculated indoor water budget shall be in violation of these Rules and shall pay an administrative penalty of \$7.63 for each ccf, or portion thereof, of water used in excess of his or her recalculated indoor water budget.

(2) Any commercial customer who uses potable water in excess of his or her calculated water budget shall be subject to an administrative penalty of \$7.43 for each ccf, or portion thereof, of water used in excess of his or her calculated water budget.

(3) Any potable irrigation customer who uses potable water shall be subject to an administrative penalty of \$9.04 for each ccf, or portion thereof of potable water used and shall have its water meter locked off.

(4) All penalties imposed pursuant to this Section 5.N.11. shall be in addition to the water service fees the District imposes for the water delivered to the forgoing customers.

(5) The penalties correspond to water usage above the modifications to tier widths.

(D) **Refills of Swimming Pools.** No customer shall refill a swimming pool during a Stage 5.

(E) **Plant Variances.** During a Stage 5, no customer shall install new landscaping.

12. Water Shortage Stage 1 – Voluntary and Mandatory Recycled Water Use Rules

(A) **Voluntary Reductions.** During a Stage 1, the District's conservation efforts will be focused on voluntary reductions in recycled water use. Recycled water customers may reduce demand by following the District's BMPs.

(B) **Mandatory Rules Governing Potable Water Use.** During a Stage 1, recycled water customers shall be prohibited from using potable water for outdoor irrigation.

13. Water Shortage Stage 2 – Mandatory Recycled Water Use Rules

(A) **Mandatory Rules Governing Recycled Water Budgets.** During a Stage 2, all recycled water customers shall be prohibited from using recycled water in excess of their calculated recycled water budget.

(B) **Penalties.** During a Stage 2, any recycled water customer who willfully uses recycled water in excess of his or her calculated recycled water budget shall be subject to an administrative penalty of \$7.04 for each ccf, or portion thereof, of recycled water used in excess of his or her assigned recycled water budget. Such penalties shall be in addition to the recycled water service fees the District imposes for the recycled water delivered to the customer.

14. Water Shortage Stage 3 – Mandatory Recycled Water Use Rules

(A) **Recalculation of Recycled Water Budgets.** During a Stage 3, all recycled water customers' recycled water budgets shall be recalculated as follows:

(1) All recycled water customers, except recycled water customers in high traffic areas ("RC9 Account customers"), shall have their outdoor recycled water budget reduced by 10%, resulting in outdoor recycled water budgets recalculated using a plant factor of 0.72.

(2) All RC9 Account customers shall have their outdoor recycled water budget reduced by 10%, resulting in outdoor recycled water budgets recalculated using a plant factor of 0.90.

(B) **Mandatory Rules Governing Recycled Water Budgets.** During a Stage 3, all Recycled Water customers shall be prohibited from using recycled water in excess of their recalculated recycled water budget.

(C) **Penalties.** During a Stage 3, any recycled water customer who uses recycled water in excess of his or her recalculated recycled water budget shall be subject to an administrative penalty of \$7.04 for each ccf, or portion thereof, of recycled water used in excess of his or her recalculated recycled water budget.

(1) Such penalties shall be in addition to the recycled water service fees the District imposes for the recycled water delivered to the customer.

(2) The penalty corresponds to recycled water used above the modifications to tier widths. By way of example, recycled water used in excess 90% of Tier 1 for recycled water customers (except RC9 Account customers) shall be charged an additional penalty of \$7.04 for each ccf or portion thereof.

15. Water Shortage Stage 4 – Mandatory Recycled Water Use Rules

(A) **Recalculation of Recycled Water Budgets.** During a Stage 4, all recycled water customers' recycled water budgets shall be recalculated as follows:

(1) All Recycled Water customers, except for RC9 Account customers, shall have their recycled water budgets reduced by 20%, resulting in outdoor recycled water budgets recalculated using a plant factor of 0.64.

(2) RC9 Account customers shall have their outdoor recycled water budgets reduced by 20%, resulting in outdoor recycled water budgets recalculated using a plant factor of 0.80.

(B) **Mandatory Rules Governing Recycled Water Budgets.** During a Stage 4, all recycled water customers shall be prohibited from using recycled water in excess of their recalculated recycled water budget.

(C) **Penalties.** During a Stage 4, any recycled water customer who uses recycled water in excess of his or her recalculated recycled water budget shall be subject to an administrative penalty of \$7.04 for each ccf, or portion thereof, of recycled water used in excess of his or her recalculated recycled water budget.

(1) Such penalties shall be in addition to the recycled water service fees the District imposes for the recycled water delivered.

(2) The penalty corresponds to recycled water use above the modifications to tier widths. By way of example, recycled water use above 80% of Tier 1 for recycled water customers (except for RC9 Account customers) is charged a penalty of \$7.04.

16. Water Shortage Stage 5 – Mandatory Recycled Water Use Rules

(A) **Recalculation of Recycled Water Budgets.** During a Stage 5, all recycled water customers' recycled water budgets shall be recalculated as follows:

(1) All recycled water customers, except for RC9 Account customers, shall have their outdoor recycled water budget reduced by 30%, resulting in outdoor recycled water budgets recalculated using a plant factor of 0.56.

(2) All RC9 Account customers shall have their outdoor recycled water budget reduced by 30%, resulting in outdoor recycled water budgets recalculated using a plant factor of 0.70.

(B) **Mandatory Rules Governing Recycled Water Budgets.** During a Stage 5, all recycled water customers shall be prohibited from using recycled water in excess of their recalculated recycled water budget.

(C) **Penalties.** During a Stage 5, any recycled water customer who uses recycled water in excess of his or her recalculated recycled water budget shall be subject to

an administrative penalty of \$7.04 for each ccf, or portion thereof, of recycled water used in excess of his or her recalculated recycled water budget.

(1) Such penalties shall be in addition to the recycled water service fees the District imposes for the recycled water delivered.

(2) The penalty corresponds to recycled water use above the modifications to tier widths. By way of example, recycled water use above 70% of Tier 1 for recycled water customers (except for RC9 Account customers) shall be charged a penalty of \$7.04.

17. Violations and Remedies

(A) **Misdemeanor Violations.** It shall be unlawful for any person to willfully violate the provisions of this Section 5.N.. A violation of any of these provisions is a misdemeanor in accordance with California Water Code section 377.

(B) **Other Remedies.** In addition to any other remedies provided in this Section 5.N or available under applicable law, the District may alternatively seek injunctive relief in the Superior Court or take enforcement action, including discontinuing or appropriately limiting water service to any customer, for violations of this Section 5.N. All remedies provided herein shall be cumulative and not exclusive.

18. Notice and Collection of Penalties

(A) **Notice and Due Process.** As set forth in Section 5.N.6(C), upon the declaration of a water shortage stage and publication of the notice required herein, due and proper notice shall be deemed to have been given each and every person supplied water within the District of the Rules governing the applicable water shortage stage.

(B) **Collection of Penalties.** Any penalty imposed pursuant to the Rules of any applicable water shortage stage set forth in this Section 5.N. may be collected on a customer's water bill. Any penalty shall be applicable to water used in violation of the Rules during the first complete billing cycle after the declaration of the applicable water shortage stage.

(C) **Notice of Violation.** The receipt of a water bill with any applicable penalties shall serve as notice of violation of the District's Rules.

19. Appeal Procedures

Any person (an "Appellant") who wishes to appeal the imposition of an administrative penalty imposed by the District pursuant to this Section 5.N. shall comply with the following procedures:

(A) **Appeal Request Form.** An Appeal Request form shall be submitted to the Conservation Department.

(1) Appeal Request forms may be obtained at the District's Main Office or downloaded from the District's website at www.MNWD.com.

(2) An Appeal Request form shall be received by the District no later than thirty calendar days from the date that the Appellant's water bill for the four-week period in which the penalty or penalties were imposed is due.

(B) **Additional Documentation.** Additional documentation may be requested at the discretion of the District. Such documentation may include, but is not limited to, school records, driver's licenses, business licenses, lease agreements.

(C) **Site Survey.** After an Appeal Request form has been received, a site survey may be required by District staff to verify the irrigated square footage of the property where the water was delivered. The site survey will be at no charge to the person and will require the person who submitted the Appeal Request form to be present.

(D) **District Response.** A response to an Appeal Request shall be provided by the District within thirty calendar days from receipt of the Appeal Request form.

(E) **Review of Denial of Appeal Request.** If an Appeal Request is denied, the Appeal Request form may be resubmitted by the Appellant for review by the District's Assistant General Manager. The Decision by the District's Assistant General Manager shall be final.

Section 3. Conflicting Provisions

If provisions of Section 5.N. are in conflict with each other, other provisions of the Article IV, any other resolution or ordinance of the District, or any State law or regulation, the more restrictive provisions shall apply.

Section 4. Severability

If any provision, section, subsection, sentence, clause or phrase or sections of this Ordinance, or the application of same to any person or set of circumstances, is for any reason held to be unconstitutional, void or invalid, the invalidity of the remaining portions of this Ordinance shall not be affected, it being the intent of the Board of Directors in adopting this Ordinance that no portions, provisions, or regulations contained herein shall become inoperative, or fail by reason of the unconstitutionality of any other provision hereof, and all provisions of this Ordinance are declared to be severable for that purpose.

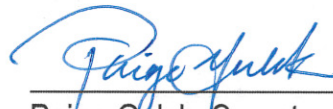
Section 5. Effective

This Ordinance shall be effective immediately upon adoption.

APPROVED, ADOPTED and SIGNED this 19th day of February, 2015.



Donald Froelich, President
MOULTON NIGUEL WATER DISTRICT
and the Board of Directors thereof



Paige Gulck, Secretary
MOULTON NIGUEL WATER DISTRICT
and the Board of Directors thereof

Appendix 5 60 Day Letter of Notice - Urban Water Management Plan Development



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

**SENT VIA FIRST CLASS MAIL AND E-MAIL (DDOYLE@CITYOFALISOVIEJO.COM,
SPELLETIER@CITYOFALISOVIEJO.COM)**

Mr. Doyle
City Manager
City of Aliso Viejo
12 Journey Suite 100
Aliso Viejo, CA 92656

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Doyle:

The Moulton Niguel Water District (District) is currently preparing its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the City of Aliso Viejo pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the preparation of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the City of Aliso Viejo and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,



Joone Lopez
General Manager

CC: Shaun Pelletier



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL (DCHOTKEVYS@DANAPOINT.ORG,
BFWLER@DANAPOINT.ORG)

Mr. Chotkevys
City Manager
City of Dana Point
33282 Golden Lantern
Dana Point, California 92629

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Chotkevys:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District's service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the City of Dana Point pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District's offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the City of Dana Point and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,

A handwritten signature in blue ink that reads "Joone Lopez". The signature is written in a cursive, flowing style.

Joone Lopez
General Manager

CC: Brad Fowler



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL (BHILL@ETWD.COM)

Mr. Hill
General Manager
El Toro Water District
24251 Los Alisos Blvd.
Lake Forest, CA 92630

Subject: Moulton Niguel Water District 2015 Urban Water Management Plan Update; Notice of Review and Changes

Dear Mr. Hill:

The Moulton Niguel Water District (District) is currently preparing its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to El Toro Water District pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the preparation of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with El Toro Water District and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,



Joone Lopez
General Manager



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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL
(BCHANNING@LAGUNAHILLSCA.GOV, KROSENFELD@LAGUNAHILLSCA.GOV)

Mr. Channing
City Manager
City of Laguna Hills
24035 El Toro Rd
Laguna Hills, CA 92653

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Channing:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the City of Laguna Hills pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the City of Laguna Hills and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,



Joone Lopez
General Manager

CC: Kenneth Rosenfield



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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SENT VIA FIRST CLASS MAIL AND E-MAIL
(RFOSTER@CITYOFLAGUNANIGUEL.ORG,
NABBASZADEH@CITYOFLAGUNANIGUEL.ORG)

Mr. Foster
City Manager
City of Laguna Niguel
30111 Crown Valley Parkway
Laguna Niguel, CA 92677

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Foster:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the City of Laguna Niguel pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the City of Laguna Niguel and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,



Joone Lopez
General Manager

CC: Nasser Abbaszadeh



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Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL
(DWILBERG@CITYOFMISSIONVIEJO.ORG,
MCHAGNON@CITYOFMISSIONVIEJO.ORG)

Mr. Wilberg
City Manager
City of Mission Viejo
200 Civic Center
Mission Viejo, CA 92691

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Wilberg:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the City of Mission Viejo pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the City of Mission Viejo and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,

A handwritten signature in blue ink that reads "Joone Lopez". The signature is written in a cursive, flowing style.

Joone Lopez
General Manager

CC: Mark Chagnon



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL

Mr. Nguyen
Orange County Clerk - Recorder
12 Civic Center Plaza, Room 101
Santa Ana, CA 92701

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Nguyen:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District's service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the Orange County Clerk - Recorder pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District's offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the Orange County Clerk - Recorder and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,

A handwritten signature in blue ink that reads "Joone Lopez". The signature is written in a cursive, flowing style.

Joone Lopez
General Manager



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL
BSIEGEL@SANJUANCAPISTRANO.ORG,
TCOUGHAN@SANJUANCAPISTRANO.ORG)

Mr. Siegel
City Manager
City of San Juan Capistrano
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Siegel:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the City of San Juan Capistrano pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the City of San Juan Capistrano and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,

A handwritten signature in blue ink that reads "Joone Lopez". The signature is written in a cursive, flowing style.

Joone Lopez
General Manager

CC: Thom Coughran



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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Vice President

April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL (DANF@SMWD.COM)

Mr. Ferons
General Manager
Santa Margarita Water District
26111 Antonio Parkway
Rancho Santa Margarita, CA 92688

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. Ferons:

The Moulton Niguel Water District (District) is currently preparing its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District's service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to Santa Margarita Water District pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the preparation of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District's offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with Santa Margarita Water District and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,

A handwritten signature in blue ink that reads "Joone Lopez". The signature is written in a cursive, flowing style.

Joone Lopez
General Manager



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL (ABRUNHART@SCWD.COM)

Mr. Brunhart
General Manager
South Coast Water District
31592 West Street
Laguna Beach, CA 92651

Subject: Moulton Niguel Water District 2015 Urban Water Management Plan Update; Notice of Review and Changes

Dear Mr. Hill:

The Moulton Niguel Water District (District) is currently preparing its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District’s service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to South Coast Water District pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the preparation of the 2015 UWMP, and we invite your agency to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District’s offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with South Coast Water District and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,



Joone Lopez
General Manager



27500 La Paz Road
Laguna Niguel, CA 92677
(949) 831-2500
www.mnwd.com

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April 4, 2016

SENT VIA FIRST CLASS MAIL AND E-MAIL (SLAMOTTE@BIAOC.COM)

Mr. LaMotte
Director of Government Affairs
Building Industry Association Orange County Chapter
24 Executive Park, Suite 100
Irvine, CA 92614

Subject: Moulton Niguel Water District 2015 Urban Water
Management Plan Update; Notice of Review and Changes

Dear Mr. LaMotte:

The Moulton Niguel Water District (District) is currently involved in an effort and process to review, update, and prepare its 2015 Urban Water Management Plan (2015 UWMP) in accordance with the California Urban Water Management Planning Act, the Water Conservation Act of 2009, and other applicable laws.

The District is required to update its UWMP every five years. Among other information and analyses, the 2015 UWMP will evaluate current and projected water supplies and demands within the District's service area during normal, single-dry, and multiple-dry year periods over the next 20-year planning horizon and beyond. The 2015 UWMP will also include information regarding water conservation efforts and water shortage contingency planning.

The District is providing this notice to the Building Industry Association Orange County Chapter pursuant to Water Code section 10621(b). The District is encouraging local agencies, the public, and other interested parties to participate in the development of the 2015 UWMP, and we invite your association to meet with us to review various elements of the 2015 UWMP, including population projections, water supplies and demands, and current and upcoming water conservation programs.

A copy of the draft 2015 UWMP is currently scheduled to be available for public review and comment by May 1, 2016 and will be available at the District's offices at the address set forth below. The District will also hold a public hearing on the 2015 UWMP, which is currently scheduled to take place on June 16, 2016 at the following address:

Public Hearing Location: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489

Additional notice regarding the time and place of the public hearing will be published in accordance with Government Code section 6066. Public input and coordination with the Building Industry Association Orange County Chapter and other local agencies is strongly encouraged and will be considered throughout the process of preparing and completing the 2015 UWMP. (See, e.g., Water Code §§ 10620(d)(2); 10621(b); 10642.) Please provide any written comments regarding the draft 2015 UWMP to the address below no later than June 1, 2016.

Send Comments To: Moulton Niguel Water District
27500 La Paz Road
Laguna Niguel, CA 92677-3489
Attn: Drew Atwater, Water Resources Manager

Thank you for your cooperation and involvement with regard to the District's 2015 UWMP update process. Should you have any questions or concerns, please feel free to contact the 2015 UWMP Project Manager, Drew Atwater at (949) 448-4027 or datwater@mnwd.com.

Sincerely,



Joone Lopez
General Manager

Appendix 6 Public Notice of Draft 2015 Urban Water Management Plan Document Availability and Public Hearing

**MOULTON NIGUEL WATER DISTRICT
NOTICE OF PUBLIC HEARING
2015 URBAN WATER MANAGEMENT PLAN**

NOTICE IS HEREBY GIVEN that on June 16, 2016 at 6:00 PM in the meeting room of the Board of Directors of the Moulton Niguel Water District (District), 27500 La Paz Road, Laguna Niguel, California 92677, the Board of Directors of the District will conduct a public hearing pursuant to California Water Code sections 10608.26 and 10642 to consider and receive comments and input on the District's 2015 Urban Water Management Plan. The public hearing is to allow community input regarding the District's implementation plan for complying with Part 2.55 of the Water Code, referred to as the Water Conservation Act of 2009, and to consider the potential economic impacts of the District's implementation plan.

A copy of the District's Draft 2015 Urban Water Management Plan is scheduled to be available for public review on or before May 12, 2016, Monday through Friday, during normal business hours at the District's offices located at 27500 La Paz Road, Laguna Niguel, California 92677. In addition, an electronic version of the Draft 2015 Urban Water Management Plan will be accessible at <http://www.mnwd.com/urban-water-management-plan-2/>. In summary, the District's 2015 Urban Water Management Plan has been developed for implementation in accordance with the requirements of the Urban Water Management Planning Act, California Water Code sections 10610 through 10656, and the Water Conservation Act of 2009, California Water Code sections 10608 through 10608.64. Public input from diverse social, cultural and economic elements of the population is strongly encouraged and will be considered as part of the 2015 Urban Water Management Plan process. Input from and coordination with the County of Orange, the cities within which the District provides water supplies, and other public agencies is also encouraged and will be considered throughout the process. (Water Code §§ 10620(d)(2); 10621(b); 10642.)

Any written comments regarding the Draft 2015 Urban Water Management Plan should be submitted no later than 5:00 p.m. on June 1, 2016 to the address set forth above, attention Drew Atwater, Water Resources Manager. Public comments also can be made at the public hearing at the time and place first set forth above. Upon conclusion of the public hearing, the Board of Directors of the District may revise, change, modify, and/or adopt the 2015 Urban Water Management Plan. Questions regarding the public hearing or the 2015 Urban Water Management Plan should be directed to Drew Atwater at (949) 448-4027. If you are disabled and need accommodation to participate in the public hearing, please call the District's Board Secretary at (949) 448-4023 for assistance at least three (3) working days prior to the hearing so that reasonable arrangements can be made.

Date: May 16, 2016

MOULTON NIGUEL WATER DISTRICT

**MOULTON NIGUEL WATER DISTRICT
NOTICE OF PUBLIC HEARING
2015 URBAN WATER MANAGEMENT PLAN**

NOTICE IS HEREBY GIVEN that on June 16, 2016 at 6:00 PM in the meeting room of the Board of Directors of the Moulton Niguel Water District (District), 27500 La Paz Road, Laguna Niguel, California 92677, the Board of Directors of the District will conduct a public hearing pursuant to California Water Code sections 10608.26 and 10642 to consider and receive comments and input on the District's 2015 Urban Water Management Plan. The public hearing is to allow community input regarding the District's implementation plan for complying with Part 2.55 of the Water Code, referred to as the Water Conservation Act of 2009, and to consider the potential economic impacts of the District's implementation plan.

A copy of the District's Draft 2015 Urban Water Management Plan is scheduled to be available for public review on or before May 12, 2016, Monday through Friday, during normal business hours at the District's offices located at 27500 La Paz Road, Laguna Niguel, California 92677. In addition, an electronic version of the Draft 2015 Urban Water Management Plan will be accessible at <http://www.mnwd.com/urban-water-management-plan-2/>. In summary, the District's 2015 Urban Water Management Plan has been developed for implementation in accordance with the requirements of the Urban Water Management Planning Act, California Water Code sections 10610 through 10656, and the Water Conservation Act of 2009, California Water Code sections 10608 through 10608.64. Public input from diverse social, cultural and economic elements of the population is strongly encouraged and will be considered as part of the 2015 Urban Water Management Plan process. Input from and coordination with the County of Orange, the cities within which the District provides water supplies, and other public agencies is also encouraged and will be considered throughout the process. (Water Code §§ 10620(d)(2); 10621(b); 10642.)

Any written comments regarding the Draft 2015 Urban Water Management Plan should be submitted no later than 5:00 p.m. on June 1, 2016 to the address set forth above, attention Drew Atwater, Water Resources Manager. Public comments also can be made at the public hearing at the time and place first set forth above. Upon conclusion of the public hearing, the Board of Directors of the District may revise, change, modify, and/or adopt the 2015 Urban Water Management Plan. Questions regarding the public hearing or the 2015 Urban Water Management Plan should be directed to Drew Atwater at (949) 448-4027. If you are disabled and need accommodation to participate in the public hearing, please call the District's Board Secretary at (949) 448-4023 for assistance at least three (3) working days prior to the hearing so that reasonable arrangements can be made.

Date: May 23, 2016

MOULTON NIGUEL WATER DISTRICT

Appendix 7 Resolution Adopting 2015 Urban Water Management Plan