## 2020 Urban Water Management Plan for United Water Conservation District

### **Final Draft**

June 8, 2021





Prepared for:

United Water Conservation District

Prepared by:

Stantec Consulting Services Inc.

## United Water Conservation District 2020 Urban Water Management Plan

June 2021

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## **Abbreviations**

AB Assembly Bill

AC Acre

Act Urban Water Management Planning Act

AF Acre Feet

AFY Acre Feet per Year

ASAPP Alternative Supply Assurance Pipeline Project

ASR Aquifer Storage and Recovery

AWPF Oxnard's Advanced Water Purification Facility

AWS alternative water supplies

Calleguas Municipal Water District

Camrosa Water District

CEQA California Environmental Quality Act
CII Commercial, Institutional, and Industrial

CIMIS California Irrigation Management Information System

CLWA Castaic Lake Water Agency
CVP Central Valley Project
CWC California Water Code

CY Calendar Year

Delta San Joaquin River Delta

DMM Demand Management Measure
DWR Department of Water Resources
EIR Environmental Impact Report
EIS Environmental Impact Statement

ET Evapotranspiration

Eto Evapotranspiration from a Standardized Grass Surface

FAT Full Advanced Treatment

FCGMA Fox Canyon Groundwater Management Agency

FERC Federal Energy Regulatory Commission

FY Fiscal Year

GIS Geographic Information System
Gpcd Gallons Per Capita Per Day

GPM Gallons Per Minute

GSA Groundwater Sustainability Agency
GSP Groundwater Sustainability Plan

LAS Lower Aquifer System MAF Million Acre Feet

Metropolitan or

MWD Metropolitan Water District of Southern California

MGD Million Gallons per Day Mg/L Milligrams per Liter

MOU Memorandum of Understanding NBVC Navy Base Ventura County

OH Oxnard-Hueneme

OPV Oxnard Plain and Pleasant Valley PHWA Port Hueneme Water Agency

ppb parts per billion

PTP Pumping Trough Pipeline

PV Pleasant Valley RO reverse osmosis

RUWMP Regional Urban Water Management Plan

SB California Senate Bill

SCAG Southern California Association of Governments

SCV Water Santa Clarita Valley Water Agency

SGMA Sustainable Groundwater Management Act

SMP Salinity Management Pipeline

Supplier Urban Water Supplier SWP State Water Project

SWRCB State Water Resources Control Board

TAC Technical Advisory Committee

TAF Thousand Acre Feet
TDS Total Dissolved Solids
UAS Upper Aquifer System
USBR U.S. Bureau of Reclamation
UWMP Urban Water Management Plan
VCFCD Ventura County Flood Control District

VCWPD Ventura County Watershed Protection District

UWCD, United or

District United Water Conservation District
WSAP Water Supply Allocation Plan
WSCP Water Shortage Contingency Plan

UWMP Introduction and Lay Description
June 8, 2021

## **Chapter 1: UWMP Introduction and Lay Description**

## 1.1 Background and Purpose

United Water Conservation District (United or District or UWCD) located in Ventura County, California, is a public agency established in 1950 with the mission to better manage, protect, and enhance water supply in the Santa Clara River Valley and Oxnard Plain. United's operational area and key facilities are illustrated in Figure 1-1. As part of its mission, United operates the Oxnard-Hueneme (OH) System, a domestic water supply system. Through the OH System, United provides communities, schools, and agriculture with a local water source, allowing the region to be less dependent on water from the State Water Project (SWP).

The purpose of this 2020 Urban Water Management Plan (UWMP) is to provide United, its stakeholders, and the public with an updated status and long-term plan for the OH System including:

- Water deliveries and uses
- Water supply sources
- Efficient water use
- Demand management measures
- Water shortage contingency planning

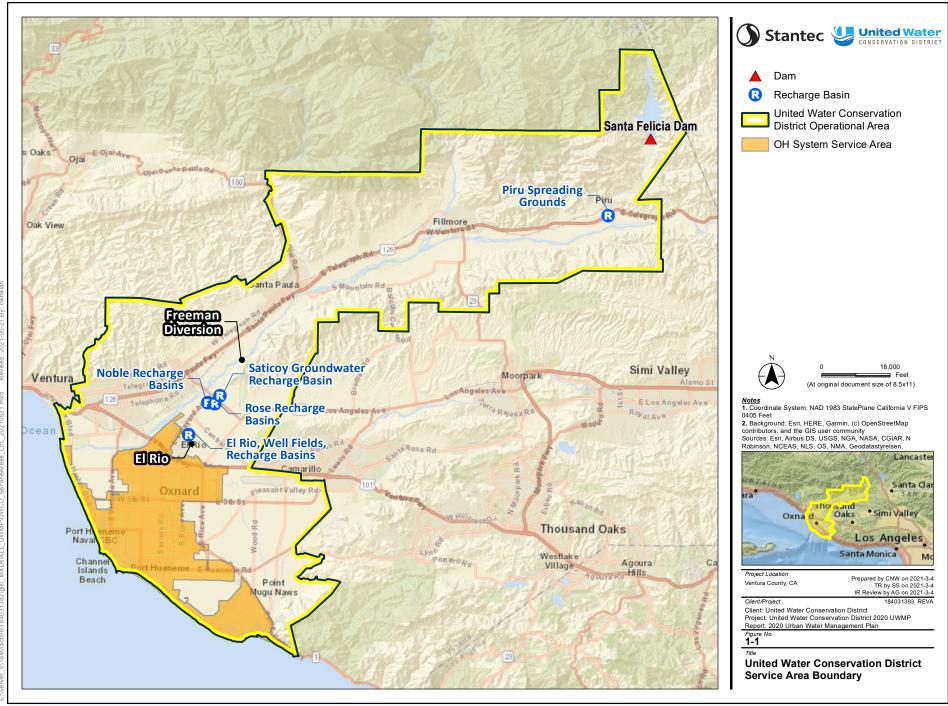
This UWMP was prepared in compliance with the Water Conservation Act of 2009, also known as Senate Bill X7-7 (SB X7-7), under the authorization of United.

United actively participates in other regional planning efforts including: The Oxnard Plain and Pleasant Valley (OPV) Core Stakeholders Group, Projects Committee (moved to a Fox Canyon Groundwater Management Agency (FCGMA) committee as of January 2021); The 2020 Water Sustainability Summit that was hosted by United as a regional forum for water projects and sustainability, The Technical Advisory Committee (TAC) for the Groundwater Sustainability Plan (as required by the Sustainable Groundwater Management Act of 2014) formed by the FCGMA; the Lower Santa Clara River Salt and Nutrient Management Plan; the Watersheds Coalition of Ventura County; and others. United also prepares monthly Hydrologic Conditions Reports and Annual Groundwater and Surface Water Conditions Reports.

Notification letters sent to agencies are provided in Appendix A.

Public notice for the 2020 UWMP public hearing is provided in Appendix B.

The Adoption Resolution passed by the United Board of Directors on June 9, 2021 is provided in Appendix C, along with the agenda for the meeting.



Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

## 1.2 UWMP Update and The California Water Code

This report has been prepared in compliance with California Water Code (CWC or Water Code) Sections 10610 through 10656 and Section 10608 of the Urban Water Management Planning Act (Act), which were added by Statute 1983, Chapter 1009, and became effective on January 1, 1984. This Act requires that "every urban water supplier shall prepare and adopt an urban water management plan" (Water Code § 10620(a)). An "urban water supplier" is defined as a supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually (Water Code § 10617).

These plans must be filed with the California Department of Water Resources (DWR) every five years. The 2020 plans must be submitted to DWR by July 1, 2021. The focus of UWMPs include:

- Examining in detail current and future water use
- Analyzing potable and non-potable water supplies
- Analyzing water supply reliability
- Preparing a Drought Risk Assessment
- Developing a Water Shortage Contingency Plan

For 2020, the plans will also:

- Report progress toward meeting the targeted 20 percent reduction in per-capita (per-person) urban water consumption by the year 2020, and
- Discuss the use and planned use of recycled water

### 1.2.1 Changes in the Act Since 2015

Since 2015, several amendments have been made to the Act. The following is a summary of the significant changes in the Act that have occurred from 2015 to the present:

- Drought Risk Assessment and the Five Consecutive Dry-Year Water Reliability Assessment: suppliers are now required to assess water supply reliability over a five-year period from 2021 to 2025 to examine water supply reliability for five consecutive dry years (modified from a "multiyear" time period used in dry-year water reliability planning)
- Energy Use Information: suppliers are now required to include readily obtainable information on estimated amounts of energy for water system.
- Water Shortage Contingency Plan (WSCP): includes new prescriptive elements to enhance previous requirements of WSCPs, one of which is:

- Seismic Risk Analysis: suppliers are now required to address the seismic risk to their water system facilities with an analysis of the risk as well as a mitigation plan should an event occur
- Consistency with Groundwater Sustainability Plans: suppliers are now required to be consistent with Groundwater Sustainability Plans completed by relevant Groundwater Sustainability Agencies
- Lay Description: suppliers are now required to include a lay description of the UWMP's conclusions regarding water service reliability, challenges ahead and strategies for managing reliability risks

## 1.3 Lay Description

United's 2020 UWMP has been prepared in compliance with the CWC as noted previously. Per CWC Section 10630.5, the UWMP must include a lay description to include the fundamental determination of the UWMP. This plan provides a detailed look at United's OH system current and future water use, water sources, demand management measures for wholesalers, evaluation of multiple consecutive drought years, as part of the Drought Risk Assessment, and the preparation of a Water Shortage Contingency Plan (WSCP).

## 1.3.1 United's Water system, Supply, and Demand

The OH system water source is the Oxnard basin which is managed by Fox Canyon Groundwater Management Agency (FCGMA). FCGMA has established allocation cutbacks through 2040 where it is anticipated the groundwater basin will reach sustainable levels. United is pursuing alternatives sources and for groundwater recharge projects to reduce allocations cutbacks for future years. United's purveyors will be impacted as the region continues to work together to find solutions for sustainable water supply. In addition, United is constructing an Iron and Manganese treatment plan in 2022 to reduce impacts from water quality concerns within the OH system. See Chapters 3-6 for more details.

### 1.3.2 Water Service Reliability

As described in Chapter 6, *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the GSP established by FCGMA meeting the requirements of the SGMA of 2014. The annual groundwater allocation cutbacks are assumed to begin October 1<sup>st</sup>, 2021 and come to an end by September 30<sup>th</sup>, 2040 after sustainability is reached. This information is captured in Chapter 7 in the water supply reliability with the comparison of the total projected water demand with the supply available for the following conditions: (1) normal/average water year, (2) single-dry water year, and (3) five-consecutive-year drought. The basis of the water supply and demand assessment is summarized Chapter 7.

## 1.3.3 Water Shortage Contingency Plan

As part of its UWMP, Water Code Section 10632 requires Suppliers to prepare and adopt a Water Shortage Contingency Plan (WSCP). The WSCP draws upon lessons learned from the 2012-2016 drought, California's driest period on record. Chapter 8 provides a summary of the WSCP and the detailed WSCP is included in Appendix E.

### 1.3.4 Demand Management Measures

Chapter 9 describes United's demand management measures: 1) metering, 2) public education and outreach, and 3) water conservation program coordination and staffing support. United provides support to purveyor's efforts for water conservation through education and outreach.

## **Chapter 2: Plan Preparation**

### 2.1 Plan Preparation

This chapter provides insight on how the 2020 UWMP was developed, including the basis for preparing the plan, units of measure and year calculation used, and coordination and outreach.

### 2.2 Basis for Preparing A Plan

Urban water suppliers with 3,000 or more service connections or supplying more than 3,000 acre-feet of water per year (AFY) are required to prepare an UWMP every five years in compliance with the Water Code 10617. Though the OH System has fewer than 3,000 service connections, it exceeds the 3,000 AFY volume threshold requirement to prepare an UWMP.

Through the OH System, United acts primarily as a Wholesale Urban Water Supplier. Most of the water distributed by the OH System is provided to other water agencies such as the City of Oxnard, Port Hueneme Water Agency (PHWA), and several mutual water companies. A small portion of the water supplied by the system is distributed directly to retail customers.

To assist UWCD staff in preparation of their 2020 UWMP, Stantec attended the 2020 UWMP Workshop on the 10<sup>th</sup> of February 2021 for "Preparation, Adoption and Submittal" that was facilitated by DWR.

### 2.2.1 Public Water Systems

The OH System is a Public Water System (PWS) as it supplies drinking water for human consumption. As a PWS, Annual Reports for the OH System are filed with the State Water Resources Control Board (SWRCB) through the Drinking Water Program (eARDWP). Data included in this UWMP is consistent with the data filed in the 2020 Annual Report to the SWRCB.

Table 2-1 from the DWR Guidebook for Urban Water Suppliers (Guidebook) applies to Retail suppliers and is not applicable to United's OH System.

### 2.3 Regional Planning

The 2020 UWMP for the United OH System has been prepared as an individual reporting plan that only covers the service area of the OH System.

### 2.4 Individual or Regional Planning and Compliance

This document was prepared as an Individual UWMP and addresses all the requirements of the CWC. Coordination of this UWMP with other agencies and constituents is described in Section 2.6 of this document. United is not a member of a Regional UWMP, nor is it a member of a Regional Alliance. See Table 2-2 for Plan Identification.

Submitta	Submittal Table 2-2: Plan Identification					
Select Only One	Type of Plan		Name of RUWMP or Regional Alliance  if applicable  (select from drop down list)			
<b>V</b>	Individua	al UWMP				
		Water Supplier is also a member of a RUWMP				
		Water Supplier is also a member of a Regional Alliance				
	Regional Urban Water Management Plan (RUWMP)					

### 2.5 Fiscal or Calendar Year and Units of Measure

This section delineates the year in which all data is set, as well as the units of measure to be carried through the entirety of the plan.

### 2.5.1 Fiscal or Calendar Year

The 2020 UWMP for the OH System is prepared on a calendar year basis.

## 2.5.2 Reporting Complete 2020 Data

This 2020 UWMP includes complete water use and planning data for calendar year 2020.

### 2.5.3 Units of Measure

Volumes reported in this UWMP are in acre-feet (AF) and are consistent throughout the plan. Table 2-3 shows the parameters under which the 2020 UWMP for the United OH System was prepared.

Submitta	Submittal Table 2-3: Supplier Identification				
Type of S	Supplier (select one or both)				
V	Supplier is a wholesaler				
	Supplier is a retailer				
Fiscal or	Calendar Year (select one)				
•	UWMP Tables are in calendar years				
	UWMP Tables are in fiscal years				
If using f	iscal years provide month and date that the fiscal year begins (mm/dd)				
Units of measure used in UWMP * (select from drop down)					
Unit	Unit AF				
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.					

## 2.6 Coordination and Outreach

This section summarizes coordination and outreach efforts related to the development of this UWMP. Table 2-4 summarizes organizations contacted in the development of this UWMP and their associated level of participation.

#### 2.6.1 Wholesale and Retail Coordination

As a water wholesale agency for its OH System, United coordinates water supply and demand projections with their urban water suppliers, including the City of Oxnard, PHWA, and the mutual water companies. The preparation of Chapters 4 and 6 has considered the data received from these agencies. United has provided these agencies with the water supplies projected to be available in increments of five years, from 2020 through 2045, for normal, single-dry, and five-consecutive dry years. Copies of outreach correspondence can be found in Appendix A. See Table 2-4 for Water Supplier Information Exchange.

Submittal Table 2-4 Wholesale: Water Supplier Information Exchange (select one)						
	Supplier has informed more than 10 other water suppliers of water supplies available in accordance with Water Code Section 10631.  Completion of the table below is optional. If not completed, include a list of the water suppliers that were informed.					
	Provide page number for location of the list.					
V	Supplier has informed 10 or fewer other water suppliers of water supplies available in accordance with Water Code Section 10631.  Complete the table below.					
Water Su	upplier Name					
Add additi	onal rows as needed					
	City of Oxnard					
	Port Hueneme Water Agency					
	Dempsey Road Mutual Water Company					
	Cypress Mutual Water Company					
	Saviers Road Mutual Water Company					
	Rio School District					
E & H Land Company						
Vineyard Avenue Estates						
Vineyard Avenue Acres Mutual Water Company <sup>1</sup> NOTES: <sup>1</sup> Water Supplier was supplied by OH System in 2019 for Emergency						

## 2.6.2 Coordination with Other Agencies and the Community

In addition to the water suppliers listed in Table 2-4, a written notice of this update to the UWMP for the United OH System was provided to the following agencies:

- Channel Islands Beach Community Services District (CIBCSD)
- Calleguas Municipal Water District (Calleguas)
- Ventura Local Agency Formation Commission (VLAFC)
- Casitas Municipal Water District (Casitas)

- Cloverdale Mutual
- Santa Clarita Valley Water Agency (SCV Water)
- Fillmore and Piru Basins Groundwater Sustainability Agency
- Mound Basin Groundwater Sustainability Agency
- Camrosa Water District (Camrosa)
- US Naval Base Ventura County

### 2.6.3 Notice to Cities and Counties

In addition to the water suppliers listed in Table 2-4, a written notice of this update to the UWMP for the United OH System was provided to the following cities and counties:

- City of Port Hueneme Public Works
- Fox Canyon Groundwater Management Agency/County of Ventura
- County of Ventura Resource Management Agency
- City of Ventura (Ventura Water)
- City of Santa Paula
- City of Fillmore
- City of Camarillo

## **Chapter 3: System Description**

## 3.1 General Description

United was formed in 1950 to conserve and enhance the water resources of the Santa Clara River while protecting the river's natural features. United is funded primarily through groundwater pumping charges, property taxes, and water delivery charges. The Board of Directors consists of seven members elected by division who govern District direction and policy regarding water resource management and environmental compliance.

Groundwater production from United's OH System wells falls under the jurisdiction of the FCGMA, an agency created in 1982 to manage and protect the Oxnard, Pleasant Valley and Las Posas Valley groundwater basins in southern Ventura County.

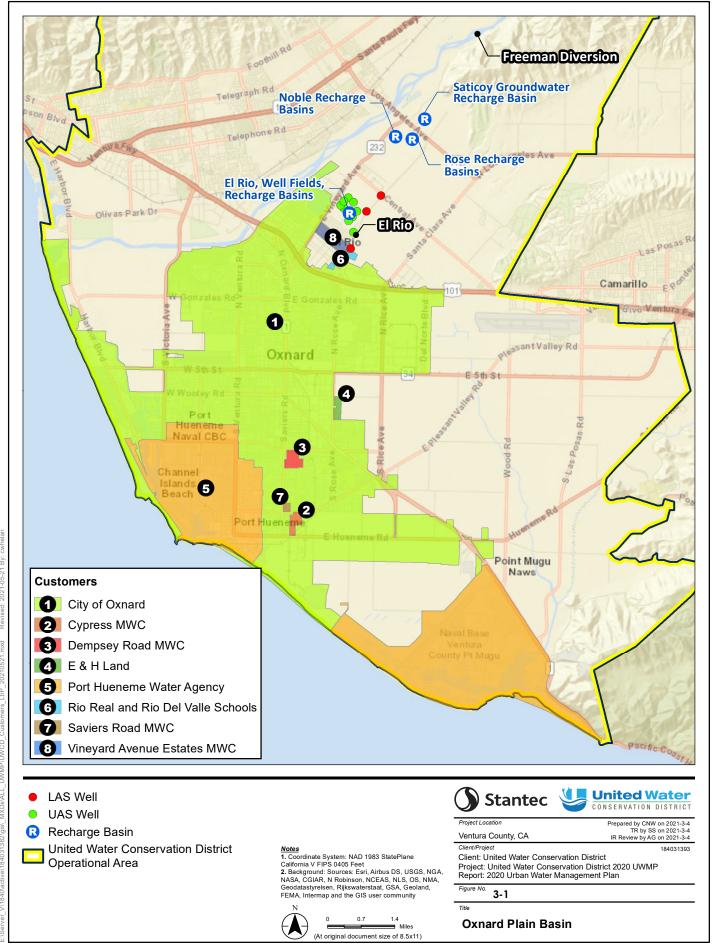
A graphical illustration of United's service area is provided in Section 3.2. United's facilities include:

- Lake Piru and Santa Felicia Dam. Santa Felicia Dam was the first dam built solely for the purpose
  of recharging groundwater and was constructed in 1955. The dam also provides hydroelectric
  power generation. The 2020 Bathymetric survey indicates Lake Piru currently has the capacity to
  store 82,067 AF of water. Lake Piru provides recreational opportunities for swimming, camping,
  boating and fishing
- Freeman Diversion. The Freeman Diversion, built in 1991, diverts water from the Santa Clara
  River and has replenished approximately 59,700 AFY (1991-2020) to the Oxnard Forebay Basin.
  A fish ladder allows for the annual migration of steelhead trout. The Freeman Diversion replaced
  temporary diversion structures operated by United and its predecessor agency in this vicinity
  since 1927
- Groundwater recharge basins. United's groundwater recharge basins include the Saticoy, Noble, Rose and El Rio facilities. These "spreading grounds" facilitate United's artificial recharge activities by percolating surface water diverted from the Santa Clara River to replenish the aquifers of the Oxnard Forebay (that extend across the Oxnard basin)
- OH System. The OH System currently includes 12 groundwater wells, the El Rio Treatment Plant, and a transmission pipeline to serve the City of Oxnard, PHWA, and several mutual water companies. Retail customers include two schools in the El Rio School District and E&H Land Company. These agencies supplement their other sources of supply, which may include groundwater or imported water, with water from the OH System. The OH System infrastructure includes approximately eight miles of transmission line with an additional four miles added by the Mugu Lateral. The OH system serves an area of approximately 43 square miles. A detailed description of the wellfield and groundwater basin supplying the OH System is included in Section 6.2

 Pumping Trough Pipeline, Pleasant Valley Pipeline and Reservoir. This system provides nonpotable surface water from the Santa Clara River directly to agricultural users in the Oxnard Plain and Pleasant Valley region to reduce pumping in this area, which is subject to overdraft and seawater intrusion

## 3.2 Service Area Boundary Maps

The OH System service area and purveyors is presented in Figure 3-1.



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### 3.3 Service Area Climate

The OH System is geographically located on the Oxnard Plain, which has a mild Mediterranean style climate that is primarily controlled by its proximity to the Pacific Ocean. The average monthly climate data, including evapotranspiration (ETo), rainfall, and temperature, is shown in Table 3-0. Ocean breezes keep temperatures cool in the summer and warmer in the winter. The majority of the rainfall occurs in the winter months, with February having the highest average rainfall. The total yearly average rainfall is 15.64 inches.

Table 3-0 Monthly Average Climate Data Summary						
Month	<sup>1</sup> Standard Monthly Average ETo	<sup>2</sup> Average Total Rainfall	<sup>2</sup> Average Temperature (degrees Fahrenheit)			
	(inches)	(inches)	Max	Min		
January	2.67	3.43	66	46		
February	2.96	3.90	66	47		
March	4.17	3.03	65	48		
April	5.03	0.71	67	50		
May	5.81	0.20	68	53		
June	5.95	0.04	70	56		
July	6.1	0.04	73	59		
August	5.93	0.08	74	60		
September	4.82	0.35	74	59		
October	4.07	0.35	73	55		
November	2.96	1.38	70	49		
December	2.37	2.13	66	45		

#### NOTES:

Based on an analysis of the output from 32 Global Climate Models which were modified to examine projected changes in climate in Ventura County<sup>1</sup>, the following potential impacts included:

<sup>&</sup>lt;sup>1</sup>Evaporation Data obtained from California Irrigation Management Information System (CIMIS), Santa Paula Station 198. http://www.cimis .water.ca.gov. Note: This is the closest CIMIS station and is located between the City of Santa Paula and El Rio

<sup>&</sup>lt;sup>2</sup>Temperature and Rainfall data obtained from U.S. Climate Data:

http://www.usclimatedata.com/climate/oxnard/california/united-states/usca0819

<sup>&</sup>lt;sup>1</sup> Projected Changes in Ventura County Climate, Western Regional Climate Center, 2019, <a href="https://wrcc.dri.edu/Docs/VenturaClimate2019">https://wrcc.dri.edu/Docs/VenturaClimate2019</a> lores.pdf

- Changes in precipitation characteristics (intensification and concentration into winter season) may have implications for groundwater recharge and how surface water is conveyed, captured, and stored
- Increased potential for post-fire flash flooding and/or debris flows due to more frequent shortduration, high intensity rainfall
- Increased evaporative demand
- Increasing temperatures and more frequent extreme (hot) temperatures
- Increases in maximum temperatures and overnight minimum temperatures as well as frequency of extreme temperatures
- Wildfire season will likely extend earlier into the spring and early summer and later into the fall and early winter

Climate change will affect the water supplies and water supply reliability of United. Changes in weather resulting from increased average temperature will decrease the volume of precipitation falling as snow in California and an overall reduction in snowpack in the Sierra Nevada and other mountain ranges in the state. Snowpack and rainfall in the mountain ranges within Los Padres National Forest, which supplies watersheds in Ventura county, is projected to decrease by 17 percent, which could affect water supply to the Santa Clara River Watershed<sup>2</sup>.

Further, as sea levels rise, seawater intrusion to groundwater supply occurs. Due to groundwater extractions, groundwater resources are vulnerable to the effects of rising sea levels. When groundwater extraction exceeds recharge in coastal areas, water levels in the aquifers decline and an onshore hydraulic gradient can develop that promotes intrusion of seawater into the underlying aquifers. Seawater intrusion has already been documented in the Lower Aquifer System of the South Oxnard Plain<sup>3</sup>. Rising sea levels combined with the potential for future overdraft associated with changes in precipitation patterns could exacerbate this effect and reduce the volume of groundwater resources available for United and other users in the region. Additional discussion on climate change impacts is discussed in Chapters 4, 6 and 7.

<sup>&</sup>lt;sup>2</sup> Ventura, County of. 2012 (April). County of Ventura Climate Protection Plan for Government Operations: A Community Commitment. Available: Background Report County of Ventura Section 12.2: Climate Change Effects September 2020 12-36 https://www.ventura.org/sustain/downloads/climate\_protection\_plan.pdf.

<sup>&</sup>lt;sup>3</sup> 2016. Coastal Resilience: Ventura County Challenges. Available: http://coastalresilience.org/project-areas/ventura-county-challenges/

## 3.4 Service Area Population and Demographics

### 3.4.1 Service Area Population

Current and projected population data from 2020-2045 is shown in Table 3-1. Projected population for the City of Oxnard was based on population data provided in the Southern California Association of Governments (SCAG) Demographics and Growth Forecast. Similarly, PHWA projected population was based on the population data provided in SCAG Demographics and Growth Forecast for the City of Port Hueneme.

Submittal Table 3-1 Wholesale: Population - Current and Projected							
Population Served	2020	2025	2030	2035	2040	2045 <i>(opt)</i>	
<sup>1</sup> Oxnard	210,428	215,962	221,497	227,031	232,566	238,100	
<sup>2</sup> PHWA	42,932	44,690	46,401	47,590	48,907	50,204	
<sup>3</sup> Mutual Water Companies	3,936	3,936	3,936	3,936	3,936	3,936	
Total	257,296	264,588	271,834	278,557	285,409	292,240	

#### Notes

<sup>1</sup>Oxnard growth rate was determined from the Southern California Association of Governments Demographics and Growth Forecast. Population projection was assumed to be linear from 2020-2045. <sup>2</sup>PHWA growth values obtained from the Port Hueneme Water Agency Public Draft 2020 Urban Water Management Plan, May 2021 (MKN & Associates, Inc.)

<sup>3</sup>The Mutual Water Companies' population was determined by the Safe Drinking Water Information System using the California Public Water Supply System search for Dempsey Road Mutual Water CO, Cypress Mutual Water CO Inc., Saviers Road Mutual Water CO, and Vineyard Avenue Acres MWC at: <a href="https://sdwis.waterboards.ca.gov/PDWW/index.jsp">https://sdwis.waterboards.ca.gov/PDWW/index.jsp</a>

KEY:

PHWA = Port Hueneme Water Agency

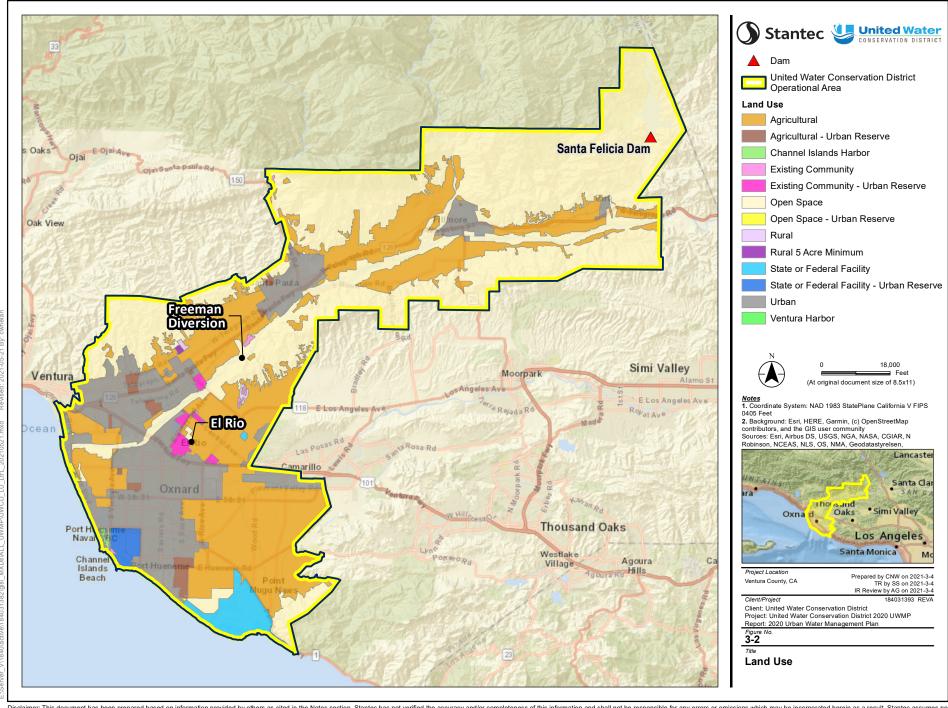
### 3.4.2 Other Social, Economic, and Demographic Factors

The OH System has an annual allocation of groundwater that can be drawn from wells which is determined by the FCGMA. Population and other demographic features do not directly affect the water management and planning of United's OH System. The groundwater allocation by the FCGMA will be further discussed in Chapter 6.

### 3.5 Land Uses within Service Area

The region served by the OH system is primarily developed land, including residential, commercial, and industrial purveyors of the urban water suppliers. The communities served by PHWA include the City of Port Hueneme, Channel Islands Beach Community Services District (CIBCSD), and Naval Base Ventura County (NBVC). The City of Port Hueneme and CIBCSD have little undeveloped land in their jurisdiction. The mutual water companies consist of residential customers in developed neighborhoods and these areas are considered fully developed. It is anticipated that land use will not change within the service area.

Based on the service area cover provided by the County of Ventura (Figure 3-2), the land use within the service area consists predominately of open space, agricultural and urban. Most of the urban land use centers around Oxnard, Paula, and Fillmore. Further information on land use of the retail purveyors United serves can be found in their individual UWMPs.



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## **Chapter 4: Water Use Characterization**

This chapter describes and quantifies United's past, current, and future potable and non-potable water use projections through 2045 (to the extent that records are available) and are summarized in Table 4-3. Characterizing and analyzing records available provides a realistic prediction of future water use based upon United's past and current water use, combined with considerations of anticipated growth, new regulations, changing climate conditions, and trends in purveyor water use behaviors. Examining each water use sector for a variety of factors, then aggregating the information into a comprehensive projection of purveyor water use, becomes the foundation for integration with United's water supplies (Chapter 6) to assess long-term water service reliability (Chapter 7).

## 4.1 Non-potable Verses Potable Water Use

United's OH System does not currently have a recycled water demand related to its OH System distribution; recycled water is not directly treated or distributed by the Supplier. Therefore, all water discussed for water use characterization will be potable.

### 4.2 Past, Current, and Projected Water Use by Sector

Current system demands are summarized, by sector, in Table 4-1 and projected demands are summarized by sector in Table 4-2.

#### 4.2.1 Water Use Sectors Listed in Water Code

To characterize United's water use, the following sections define the water sectors listed in the CWC 10631(d). The order of the sectors follows the order found in the Water Code. If a sector is not applicable or no information is available, it shall be excluded from the analyses. Additional sectors or subdivisions of these sectors shall be included in Section 4.2.2 to allow the analysis of unique conditions that may apply to certain sectors or subsectors not listed in the Water Code.

### 4.2.1.1 Sales to Other Agencies

These are water sales made to another agency (referred to here as water Supplier). Projected sales may be based on projected demand provided by the receiving water Supplier. There is inherent uncertainty in future projections, therefore, any projected sales reported in the UWMP are for planning purposes only and are not considered a commitment on the part of the seller. This is a wholesale demand. Water suppliers will determine whether their demands are considered sales, transfers, or exchanges; reporting in the UWMPs will reflect the Suppliers' determination of these water demands. Some Retail Suppliers also supply water to other Suppliers. This is also considered a wholesale demand.

### 4.2.1.2 Distribution System Losses

The reporting requirement of this section is not applicable to wholesale agencies.

#### 4.2.2 Water Use Sectors in Addition to Those Listed in Water Code

For United's purposes, the additional water use sector is categorized as retail demand for use by suppliers that are primarily wholesalers with a small volume of retail sales. The suppliers using this additional sector are Rio Real and Rio Del Valle School, as well as the E&H Land Company.

#### 4.2.3 Past Water Use

Wholesale suppliers are not required to quantify past water use. However, past water use is valuable in further calculations and will be discussed in more detail in Chapter 7.

## 4.2.4 Distribution System Water Loss

System water losses occur because of leaks and ruptures in the existing distribution network, system flushing and cleaning, incidental releases from pressure relief valves, and draining for scheduled maintenance. It is noted that well flushing is diverted to the EI Rio recharge basins for groundwater replenishment. Although the reporting of water loss is only required for retail suppliers, this UWMP considers a water loss for planning purposes. Total 2020 system losses for the United OH System were calculated using the total pumping volume for 2020 (13,974 AF) and subtracting the metered sales to other agencies, and the retail sales to Rio Real and Rio Del Valle School, E&H Land Company (13,625 AF and 5 AF respectively).

#### 4.2.5 Current Water Use

Current system demands are summarized, by sector, in Table 4-1. Sales to other agencies account for 98 percent of all demands, followed by losses at 2 percent, and retail demand use by other suppliers is minor.

C	Submittal Table	1 1 Who	Josalo: Domand	ls for Potable and	Non-Potable <sup>1</sup> Water	Actual
	supmittai Table	4-1 VVIIO	nesale: Demano	is for Polable and	i Non-Polable- Waler :	- ACLUAI

Use Type	2020 Actual							
Drop down list  May select each use multiple times These are the only use types that will be recognized by the WUE data online submittal tool	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume <sup>2</sup>					
Add additional rows as needed								
Sales to other agencies	City of Oxnard, Port Hueneme Water Agency (PHWA), Cypress Mutual, Dempsey Road MWC, Saviers Road MWC, Vineyard Estates		13,025					
Transfers to other agencies	See note 1 below		600					
Retail demand for use by suppliers that are primarily wholesalers with a small volume of retail sales	Rio Real and Rio Del Valle School, E&H Land Company	Drinking Water	5					
Losses		Drinking Water	344					
	OT	TOTAL	13,974					

<sup>&</sup>lt;sup>1</sup> Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.

#### NOTES:

- 1) Transfer of Temporary Extraction Allocation occurred (and approved by FCGMA) of 600 AF to the City of Oxnard between July 1 and September 30, 2020. The extraction allocation transfer was requested due to equipment issues that temporarily reduced the pumping capacity for City of Oxnard wells.
- 2) Losses for the United OH System are calculated using the total pumping volume for 2020 and subtracting the metered sales to other agencies, and the retail sales to Rio Real and Rio Del Valle School, E&H Land Company.

<sup>&</sup>lt;sup>2</sup> Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

## 4.2.6 Projected Water Use

Projected demands are provided in Table 4-2. For the projected water use starting in 2025, the estimates are based on the allocations discussed in Chapter 6. *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the Groundwater Sustainability Plan (GSP) established by Fox Canyon Groundwater management Agency (FCGMA) meeting the requirements of the SGMA of 2014. Chapter 6 provides more details regarding United's 2021 allocation which was established at 14,337 AFY for United's OH system with annual cutback volume of approximately 372 AFY (2.60% per year). After sustainability is reached in 2040, cutbacks may come to an end. As such, these are not "demands" in the strictest sense, but are the estimates for groundwater allocation within United's OH service area.

Submittal Table 4-2 Wholesale: Use for Potable and Raw Water 1 - Projected								
Use Type		Projected Water Use <sup>2</sup> Report To the Extent that Records are Available						
Drop down list  May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool.	Additional Description (as needed)	2025	2030	2035	2040	2045 (opt)		
Add additional rows as needed								
Sales to other agencies		12,397	10,588	8,778	7,060	7,060		
Retail demand for use by suppliers that are primarily wholesalers with a small volume of retail sales	Rio Real and Rio Del Valle School, E&H Land Company	4	4	4	4	4		
Losses		354	302	251	201	201		
TOTAL		12,755	10,894	9,033	7,265	7,265		

<sup>&</sup>lt;sup>1</sup> Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.

NOTES: Projected water use shown is estimated to be equal to the set supply allocation established in ordinance (An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins) that was adopted pursuant to the GSP established by FCGMA meeting the requirements of the SGMA of 2014. FCGMA defined allocation the OH System from 2005 – 2014 based on pumping and water deliveries. The entire OH System was allocated 14,337 AFY based on 2005 – 2014 average annual pumping. Retail demand allocation was estimated as 4 AFY based on 2005 – 2014 average annual deliveries. Losses over this 2005 – 2014 allocation period were estimated as 398 AFY based on annual average pumping and deliveries. The remaining allocation is available as supply to the other agencies. From October 2021 forward, water use was projected to have equal annual cutback rate (2.60%) until the end of September 2040 as presented in FCGMA's current GSP and allocation ordinance for the Oxnard basin to meet sustainable yield estimates. Water losses were projected to reduce proportionally with water use reductions. As the OH System demand is limited to the supply allowed to be extracted as regulated by FCGMA, supporting background for projected water use is further detailed in Section 6 (Water Supply Characterization).

Project planning is currently underway in the Oxnard groundwater basin area that is anticipated to relieve the overdraft conditions in the Oxnard basin. With additional supplies or optimization of use in the basin, the projected sustainable yield is anticipated to increase and allocations from FCGMA and/or cutback implementation are anticipated to allow for more groundwater extraction for the OH System and other Oxnard basin users.

In accordance with the OH Users agreement and United's Board Policy for the OH System, United will coordinate with FCGMA and the OH Users to reduce allocations imposed by FCGMA to users.

<sup>&</sup>lt;sup>2</sup> Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

### 4.2.7 Characteristic Five-Year Water Use

Water Code Section 10635(b) is a new requirement for the 2020 UWMPs. A critical component of this new statutory language is the requirement to prepare a five-year drought risk assessment (DRA), discussed in Chapter 7. This five-year DRA can also be used to provide the water service reliability assessment for a drought lasting five years.

DWR recommends that, as a first step, suppliers estimate expected gross water use for the next five years without drought conditions (also known as unconstrained demand). These numbers can then be adjusted to estimate the five-years' cumulative drought effects, as summarized in Section 7.3.

## 4.3 Worksheets and Reporting Tables

## 4.3.1 Optional Planning Tool Use Analysis Worksheet

The planning tool will be used for input in Chapter 7.

#### 4.3.2 DWR 2020 UWMP Submittal Tables

As indicated in Table 4-1, only a small portion of the total demand – less than one percent – is sold as retail. The total water demand is summarized in Table 4-3. Though raw water would be considered in this calculation, United's only water use is potable water.

Submittal Table 4-3 Wholesale: Total Water Use (Potable and Non-Potable)								
	2020	2025	2030	2035	2040	2045 (opt)		
Potable and Raw Water From Tables 4-1W and 4-2W	13,974	12,755	10,894	9,033	7,265	7,265		
Recycled Water Demand From Table 6-4W	0	0	0	0	0	0		
TOTAL WATER DEMAND	13,974	12,755	10,894	9,033	7,265	7,265		

### NOTES:

- 1) Please see Table 4-1 and 4-2 Notes
- 2) Transfer of Temporary Extraction Allocation occurred (and approved by FCGMA) of 600 AF to the City of Oxnard between July 1 and September 30, 2020. The extraction allocation transfer was requested due to equipment issues that temporarily reduced the pumping capacity for City of Oxnard wells. This is not included in total water use for 2020.
- 2) Losses for the United OH System are calculated using the total pumping volume for 2020 and subtracting the metered sales to other agencies, and the retail sales to Rio Real and Rio Del Valle School, E&H Land Company.

### 4.4 Water Use for Lower Income Households

This section is not applicable to wholesale agencies.

Retail agencies are required to include the projected water use for lower income households in their 2020 UWMPs. The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

## 4.5 Climate Change Considerations

Weather patterns can shift dramatically and unpredictably, significantly affecting water supply planning. Although there are uncertainties of the exact timing, magnitude, and regional impacts of temperature and precipitation changes, researchers have identified several areas of concern for California water planners including:

- · Reduction in Sierra Nevada snowpack
- Increasing intensity and frequency of extreme weather events
- Increased frequency and duration of extreme heat, impacting health and evapotranspiration
- Rising sea levels resulting in
  - o Impacts to coastal groundwater basins due to seawater intrusion
  - Increased risk of damage from storms, high-tide events, and the erosion of levees
  - Potential pumping cutbacks on the SWP and Central Valley Project (CVP)

Other areas of concern due to climate change include:

- Effects on local supplies such as groundwater
- Changes in urban and agricultural demand levels and patterns
- Impacts to human health from water-borne pathogens and water quality degradation
- Declines in ecosystem health and function
- Alterations to power generation and pumping regimes

Future climate conditions were modeled for the Oxnard Subbasin using climate change factors provided by DWR. FCGMA has included climate factors as part of their study and are incorporated into revised allocations as discussed in Chapter 6. And based on an analysis of the output from 32 Global Climate Models which were modified to examine projected changes in climate in Ventura County<sup>4</sup>, the following potential impacts included:

 Changes in precipitation characteristics (intensification and concentration into winter season) may have implications for groundwater recharge and how surface water is conveyed, captured, and stored

<sup>&</sup>lt;sup>4</sup> Projected Changes in Ventura County Climate, Western Regional Climate Center, 2019, https://wrcc.dri.edu/Docs/VenturaClimate2019 lores.pdf

- Increased potential for post-fire flash flooding and/or debris flows due to more frequent shortduration, high intensity rainfall.
- · Increased evaporative demand
- Increasing temperatures and more frequent extreme (hot) temperatures
- Increases in maximum temperatures and overnight minimum temperatures as well as frequency of extreme temperatures
- Wildfire season will likely extend earlier into the spring and early summer and later into the fall and early winter

Climate change will affect the water supplies and water supply reliability of United. Changes in weather resulting from increased average temperature will decrease the volume of precipitation falling as snow in California and an overall a reduction in snowpack in the Sierra Nevada and other mountain ranges in the state. Snowpack and rainfall in the mountain ranges within Los Padres National Forest, which supplies watersheds in Ventura county, is projected to decrease by 17 percent, which could affect water supply to the Santa Clara River Watershed<sup>5</sup>.

<sup>&</sup>lt;sup>5</sup> Ventura, County of. 2012 (April). County of Ventura Climate Protection Plan for Government Operations: A Community Commitment. Available: Background Report County of Ventura Section 12.2: Climate Change Effects September 2020 12-36 https://www.ventura.org/sustain/downloads/climate\_protection\_plan.pdf.

## Chapter 5: SBX7-7 Baseline, Targets, and 2020 Compliance

This chapter is used by retail agencies to establish and track daily per capita water use targets in accordance with the Water Conservation Act of 2009, also known as SB X7-7. United operates its OH System primarily as a wholesale agency. Wholesale agencies are not required to establish or meet baseline and targets for daily per capita water use as wholesale agencies supply other water agencies and not a specific population. Though wholesale agencies do not set per capita water use targets, wholesale agencies do play a role in water conservation and support retail agencies in achieving their demand targets.

## 5.1 Guidance for Wholesale Suppliers

Wholesale agencies are guided by the California Water Code, *CWC 10608.36*, to document the programs and means by which they support retail agencies and the State in meeting water use reduction targets. United assists local retail agencies in meeting their demand reduction goals through public outreach and education programs that include:

- Hosting guided tours of United facilities
- Presentations to local, state, and national organizations
- School educational programs at elementary school, middle school, and college levels

## 5.2 SBX7-7 Forms and Summary Table

This section is not applicable to wholesale agencies.

## 5.3 Baseline and Target Calculations for 2020 UWMP

This section is not applicable to wholesale agencies.

#### 5.3.1 Supplier Submitted 2015 UWMP, No Change to Service Area

This section is not applicable to wholesale agencies.

#### 5.3.2 Baseline Periods

This section is not applicable to wholesale agencies.

## 5.4 Methods for Calculating Population and Gross Water Use

This section is not applicable to wholesale agencies.

#### **5.4.1 Calculating Population**

This section is not applicable to wholesale agencies.

#### 5.4.2 Gross Water Use

This section is not applicable to wholesale agencies.

## 5.5 2020 Compliance Daily Per-Capita Water Use (GPCD)

This section is not applicable to wholesale agencies.

## 5.6 Regional Alliance

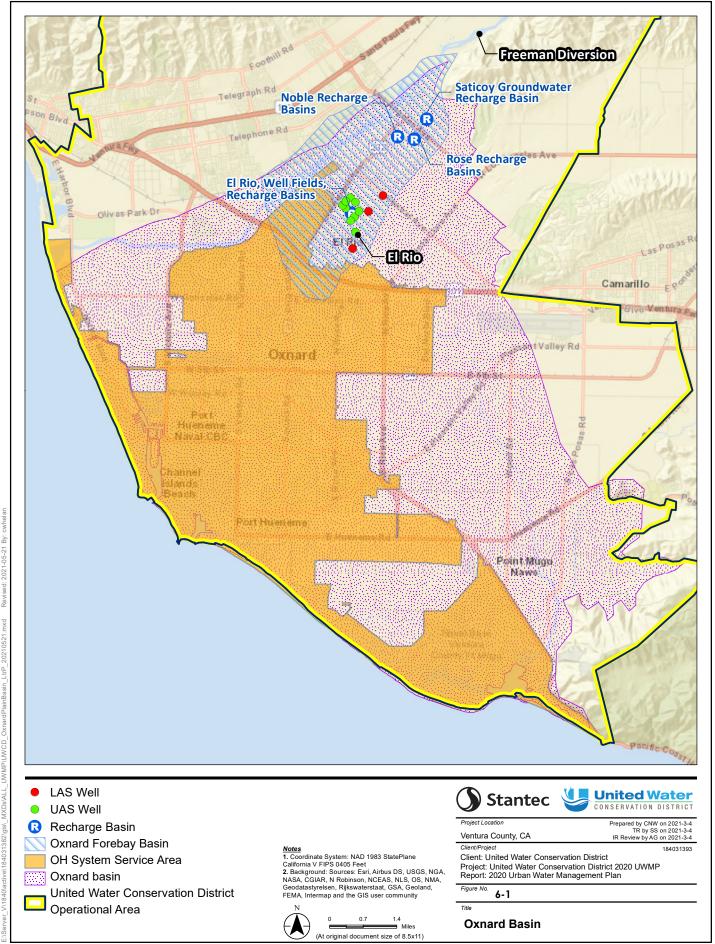
This section is not applicable to wholesale agencies.

## **Chapter 6: Water Supply Characterization**

This chapter focuses on characterizing each water source available to United's OH system in order to provide the information needed for reliability and risk assessments to supply.

## 6.1 Water Supply Analysis Overview

United's source of water supply for the Oxnard-Hueneme system (OH) includes groundwater production from twelve (12) wells within the Oxnard basin. This is the only source for potable water for the OH system. Figure 6-1 shows the relationship and location of these wells within the Oxnard basin.



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## 6.1.1 Specific Analysis Applicable to all Water Supply Sources

#### 6.1.1.1 Existing sources of water

The existing supply for the OH system is groundwater production within the Oxnard basin via twelve (12) groundwater production wells. Sources of water are described in more detail in Section 6.2.

Other District sources are discussed below, but do not directly supply water to the OH system at this time.

The 1963 Contract Between the State of California Department of Water Resources and Ventura County Flood Control District for a Water Supply provides a Table A Contract which allocates 5,000 AFY of the contracted 20,000 AFY of water to the District. Of the 5,000 AFY, 1,850 AFY of this water is leased to Port Hueneme Water Agency (PHWA) by permanent agreement between UWCD and PHWA leaving 3,150 AFY available. This available Table A water is diverted from the Santa Clara River at Freeman Diversion and used for groundwater recharge at the El Rio recharge basins. Historically, groundwater recharged has far exceeded pumped groundwater from the El Rio well field.

#### 6.1.1.2 Planned sources of water

United plans to continue groundwater production in the Oxnard basin for supply to the OH system. For groundwater recharge, the District intends to continue leasing water to PHWA and utilize the 3,150 AFY available of its Table A contract from DWR. At this moment, there are no local project plans finalized to include as planned water sources. However, United is playing a role in regional coordination and project planning that is currently underway through the *Oxnard Plain and Pleasant Valley (OPV) Core Stakeholders Group, Projects Committee,* which was moved over to a FCGMA committee in January 2021. Details on projects within the region that have recently been investigated or are under discussion by stakeholders are described in more detail in Section 6.2.8.

For agricultural users, United will continue supplementing groundwater by diverting Santa Clara River surface water and delivery via the Pumping Trough Pipeline (PTP) and Pleasant Valley Pipeline systems. The District is preparing to distribute recycled water from the City of Oxnard's Advanced Water Purification Facility (AWPF) via the Pumping Trough Pipeline to agricultural users on that system. The project was conditionally approved in October 2017 pending the system and areas where it will be used comply with Title 22 requirements. United remains interested in this project, but there are no current plans for a pipeline connection to bring AWPF water to the PTP system.

Supply availability under normal, single dry, 5-year drought is discussed in section 7.2.2. As described, the percentage of supply is based on the current allocation value of an average year. The single dry year is the highest pumping level in the past 10 years, and the multiple consecutive dry years also represent the lowest pumping levels. These values do not reflect future allocation reductions.

#### 6.1.2 Other Characterization Considerations

The OH System demand is limited to the supply allowed to be extracted as allocated by FCGMA. As noted in Table 4-2, project planning is currently underway in the Oxnard basin area that is anticipated to

relieve the overdraft conditions in the Oxnard basin. With additional supplies or optimization of use in the basin, the projected sustainable yield is anticipated to increase and allocations from FCGMA and/or cutback implementation are anticipated to allow for more groundwater extraction for the OH System and other Oxnard basin users. Description of ongoing project planning is further detailed in Section 6.2.8, below. Supporting background information for projected water supply (and therefore use) is further detailed in Sections 6.2.2.3 and 6.2.9, below.

## **6.1.3 Optional Planning Tool**

The OH system's only source of water is the groundwater basin and is subject to allocation limits previously mentioned. This section is not applicable.

## 6.2 Narrative Sections for Supplier's UWMP Water Supply Characterization

## **6.2.1** Purchase or Imported Water

United does not purchase or import water for the OH System on a regular basis for its direct supply to purveyors. However, United does purchase imported water most years to recharge the groundwater basins (including the Oxnard basin) beyond what water is naturally available within the Santa Clara River watershed.

As mentioned above, in 1963, the Ventura County Flood Control District (VCFCD) contracted with the State of California for 20,000 AFY of water from the SWP on behalf of three participating agencies: United, the City of Ventura and Casitas MWD. In 1971, the VCFCD assigned the administration of the Water Supply Contract to Casitas for the three agencies. United's contractual share is 5,000 AFY with 3,150 AFY available based on an agreement to lease 1,850 AFY to PHWA. United can access SWP through Lake Piru or Castaic Lake, and release stored SWP for recharge to downstream groundwater basins. This added recharge, paid through a voter-approved property tax special assessment, benefits all groundwater basins District-wide. United also purchases surplus State Water, known as Article 21 water, when it is available and able to provide a benefit to the District. In 2017 and 2019, United purchased 10,000 AF and 15,000 AF of Article 21 water, respectively. The volume Article 21 water acquired in 2019 was all diverted at the Freeman Diversion and the purchase was reimbursed by FCGMA.

United coordinates with partners across the region to strategically transfer and exchange SWP supplies for mutual benefit. Note that the Federal Energy Regulatory Commission (FERC) license for DWR's South SWP Facilities (FERC Project No. 2426) limits State Water deliveries to United via the Pyramid Reach to 3,150 AF between November 1 and the end of February of each water year. United is currently working with DWR to remove the maximum release limitation in their FERC license, in order to facilitate importation of supplemental State Water in addition to United's maximum contract amount of 3,150 AFY.

Although United is not currently involved in any long-term water supply exchanges and transfers, it has executed agreements intended to optimize the utilization of its existing water supplies. In May 2012, United entered into an Agreement for Purchase of 2012 Table A State Water Project Water (2012 Agreement) with Casitas Municipal Water District to purchase 1,260 AF of Casitas' Table A allocation. The 2012 Agreement was valid for 2012 only. In February 2013, United entered into an Agreement for

Purchase of 2013 Table A State Water Project Water (2013 Agreement) with the City of Ventura. The Agreement allowed United to purchase 1,890 AF for the calendar year 2013 only.

In 2019 United entered into a Water Exchange Agreement with Santa Clarita Valley Water Agency (SCV Water) which included a Two-for-One Water Exchanged Program. This agreement would allow for exchange of up to 2,000 AF of its 2019 Table A Water to United whereby SCV Water could recover one AF of water for every two AF of water delivered to the District. In 2019, 1,000 AF of water was delivered to United under this agreement allowing SCV Water 500 AF of recoverable water.

Also, in 2019, United entered into an agreement with the City of Ventura to transfer 4,625 AF of its 2019 Table A allocation to United. In 2020 United entered into an agreement with the City of Ventura to transfer 1,000 AF of its 2020 Carryover Water to United. These 2019 and 2020 water purchases were delivered at Lake Piru and released to the Santa Clara River. Some of the released water percolated in the river channel to the groundwater basins upstream of the Freeman Diversion and the remaining water was diverted at the Freeman Diversion for recharge to Oxnard basin and surface water deliveries. The purchase of SWP water will be considered by United annually on an as-needed basis.

#### 6.2.2 Groundwater

United supplies the OH system via 12 wells that draw from the Oxnard Groundwater Basin (Wells 2A, 5, 6, 8, 11, 12, 13, 14, 15, 16, 17, and 18). Wells 12, 13 and 14 produce from the Lower Aquifer System (LAS) and the remainder produce from the Upper Aquifer System (UAS).

#### 6.2.2.1 Basin Description

Groundwater for the United OH system is drawn from the Oxnard basin, a subbasin of the Santa Clara River Valley Groundwater Basin (DWR Groundwater Basin Number 4-004.02). The Oxnard basin is a coastal alluvial subbasin of the Santa Clara River Valley Groundwater Basin (4-004). It is bounded to the east by the LPVB (4-008), the Camarillo Hills, and the PVB (4-006); to the southeast by the Santa Monica Mountains; to the west and southwest by the Pacific Ocean; and to the north by the Mound (4-004.03) and Santa Paula (4-004.04) Subbasins of the Santa Clara River Valley Groundwater Basin. The Oxnard Groundwater Basin contains a collection of interconnected aquifers separated by low-permeability clay beds. Figure 6-1 shows the boundary of the Oxnard basin, Figure 6-2 provides conceptual cross section profiles of the Oxnard basin, and Figure 6-3 shows another cross section of the twelve (12) groundwater extraction wells used by the OH system. The primary aquifers of the Oxnard basin are commonly characterized as belonging to either the UAS or the LAS. The OH well field and United's recharge facilities are located in the Forebay area of the basin, an area of approximately 10 square miles in the northeastern portion of the basin where confining clays between the aquifers are generally absent or discontinuous.

<sup>&</sup>lt;sup>6</sup> GSP 2019; Groundwater Sustainability Plan for the Oxnard Subbasin December 2019

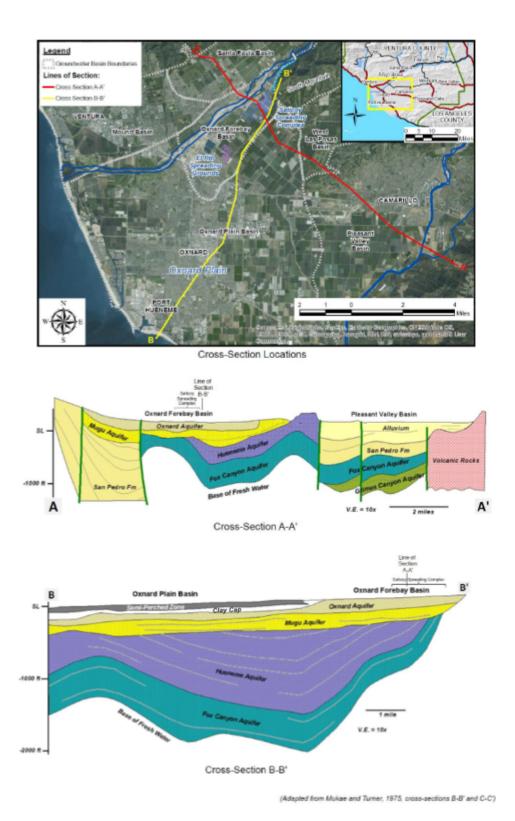


Figure 6-2: Oxnard basin Aquifer Profile 7

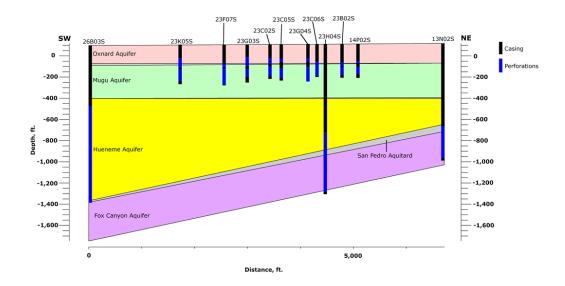


Figure 6-3: El Rio Well field Cross Section

The Oxnard Forebay is the unconfined portion of the Oxnard basin and is generally located along the Santa Clara River northeast of the intersection of Pacific Coast Highway and U.S. Highway 101 in the City of Oxnard. The Oxnard Forebay is where the majority of the groundwater recharge to the principal aquifers used for water supply in the Oxnard basin occurs. The Oxnard Forebay is recharged by infiltration from the riverbed of the Santa Clara River and the four (4) groundwater recharge facilities as discussed in Section 6.2.1. The Oxnard Forebay is located in the up-gradient portion of the Oxnard basin. Surface water applied to these basins seeps down to the regional water table and serves to recharge the aquifers of the upper aquifer system (UAS) and the lower aquifer system (LAS). The UAS and LAS are hydraulically connected to the Pacific Ocean, allowing seawater intrusion in the Oxnard basin when groundwater elevations are below sea level.

Per the 2016 Saline Intrusion Update<sup>8</sup>, the Upper Aquifer System consists of the Oxnard and Mugu aquifers. These aquifers are characterized by relatively young alluvium (Oxnard aquifer) of Holocene age and older alluvium (Mugu aquifer) of late Pleistocene age. Both these aquifers are relatively flat-lying, and the Oxnard aquifer rests on the Mugu aquifer. A clay layer commonly occurs between the two aquifers, but in some areas, there is no aquitard separating these two aquifer units. Some researchers apply the Oxnard and Mugu aquifer nomenclature to time-equivalent alluvial deposits in the Santa Clara River valley, but these deposits are more commonly termed Recent Alluvium and Older Alluvium, respectively, in the upstream groundwater basins of the Santa Clara River Valley. The confined Oxnard aquifer is overlain by a shallow perched aquifer, commonly called the Semi-perched aquifer.

<sup>&</sup>lt;sup>7</sup> UWCD OFR 2018-02; Ventura Regional Groundwater Flow Model and Updated Hydrogeologic Conceptual Model: Oxnard Plain, Oxnard Forebay, Pleasant Valley, West Las Posas, and Mound Groundwater Basins

<sup>8</sup> UWCD OFR 2016-04; Saline Intrusion Update, Oxnard Plain and Pleasant Valley Basins

The Lower Aquifer System consists of the Hueneme, Fox Canyon, and Grimes Canyon which occur within the Saugus, San Pedro, and Santa Barbara Formations of Pliocene to Pleistocene age 9. These aquifers may be isolated from each other vertically by low-permeability units and horizontally by regional fault systems. The LAS is folded and tilted in many areas and has been eroded along its upper contact with the UAS. In many areas an aquitard exists between the Mugu and Hueneme aquifers, which constrains vertical flow between the UAS and the LAS³. United has three groundwater wells that draw from the LAS, one of which is currently on standby status.

United's primary strategy for groundwater recharge is to recharge diverted surface water from the Santa Clara River and convey to the Saticoy and El Rio Groundwater Recharge Basins, as well as the Noble and Rose Basins, which are former gravel pits. These are all located in the Oxnard Forebay. United delivers surface water to farms in the southeastern Oxnard and Pleasant Valley basins. These deliveries reduce groundwater pumping in over drafted areas of the Oxnard basin.

Groundwater extracted by the District to supply the OH System is primarily recharged by the El Rio recharge basins. Shallow UAS wells (Nos. 2A, 5, 6, 8, 11, 15, 16, 17, and 18) are located in the areas surrounding the recharge basins at El Rio. All of the UAS wells (except Well No. 11) are under the direct influence of surface water (i.e., less than 150 feet from incoming surface water) and are therefore subject to the Surface Water Treatment Rule and require an additional step of disinfection. The deep LAS wells (Nos. 12, 13 and 14) are not physically located within the boundaries of the El Rio Spreading Grounds.

United diverts surface water from the Santa Clara River at the Freeman Diversion and conveys the water to the recharge basins. During significant recharge operations, the water quality of the groundwater is similar to the water quality of the Santa Clara River, which is generally less mineralized than that of the ambient groundwater. After recharge operations have ceased water quality changes in the produced well water is often observed. Without dilution from recharge operations, nitrate concentrations in UAS wells gradually increase. During this time, the deep LAS wells, which have low nitrate concentrations, are operated to supplement and blend with water from the UAS wells. The water from the LAS contains higher concentrations of iron and manganese which, when blended with the UAS wells, generally remains below secondary MCLs. Higher iron and manganese concentrations are known to affect taste and color and can affect reverse osmosis water treatment operations. This effect is apparent during an ongoing drought. Table 6-1 summarizes groundwater production from 2016 to 2020.

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<sup>&</sup>lt;sup>9</sup> Mukae, M. and Turner, J.M., 1975, Ventura County Water Resources Management Study-Geologic Formations, Structures and History in the Santa Clara Calleguas Area, January.

Submittal Table 6-1 Wholesale: Groundwater Volume Pumped										
	Supplier does not pump groundwater. The supplier will not complete the table below.									
	All or part of the groundy	All or part of the groundwater described below is desalinated.								
Groundwater Type	Location or Basin Name	2016	2017	2018	2019	2020				
Alluvial Basin	Oxnard basin, Oxnard Forebay Area	10,832	10,917	11,622	11,601	13,374				
	TOTAL	10,832	10,917	11,622	11,601	13,374				

#### NOTES:

- 1) Transfer of Temporary Extraction Allocation occurred (and approved by FCGMA) of 600 AF to the City of Oxnard between July 1 and September 30, 2020. The extraction was due to maintenance issues related for Oxnard's groundwater pumping. This is not included in total water use for 2020.
- 2) Transfer of Temporary Extraction Allocation occurred (and approved by FCGMA) of 56.45 AF to the Vineyard Ave. Acres Mutual in 2019 for emergency purposes. This is not included in total water use for 2019.
- 3) Losses for the United OH System are calculated using the total pumping volume for 2020 and subtracting the metered sales to other agencies, and the retail sales to Rio Real and Rio Del Valle School, E&H Land Company.

#### **6.2.2.2 Multiple Groundwater Basins**

The District does not utilize multiple groundwater basins to supply the Oxnard-Hueneme system.

#### 6.2.2.3 Other Considerations

On a District-wide basis, per the 2020 Annual Engineering Investigation and GW Conditions Report the average annual overdraft over the past 10 years was estimated to be 79,200 AFY, with an estimated 45,000 AF of overdraft in 2020. The report is available on United's website:

https://www.unitedwater.org/wp-content/uploads/2020/10/2020-Annual-Engineering-Investigation-and-GW-Conditions-Report-1.pdf

Specifically, the Oxnard basin has been classified as a critically over drafted basin by DWR 10.

<sup>&</sup>lt;sup>10</sup> DWR 2016; Bulletin 118 Interim Update 2016 California's Groundwater

#### **Overdraft Conditions**

Evidence of groundwater overdraft in the Oxnard basin was first recognized in the 1930s<sup>6, pg. 6.5</sup> when water levels were recorded below sea level and elevated chloride was observed in Oxnard aquifer wells along the coast near Port Hueneme. By the late 1950s, groundwater levels in the LAS also had dropped below sea level. Saline intrusion primarily occurs at the Hueneme Submarine Canyon and Mugu Submarine Canyon. In 2010, United conducted a geophysical survey to delineate areas of saline intrusion into the Oxnard basin. Another report detailing coastal conditions and saline intrusion was published by United in 2016, showing broad areas of the Oxnard basin with UAS groundwater levels more than 20 feet below sea level, as measured in fall of 2015.

Groundwater levels below sea level allow the intrusion of saline water by various mechanisms. Seawater intrusion in the aquifers of the LAS near Port Hueneme appears to impact a limited area, but concentrations in one Hueneme aquifer (part of the LAS) well near Hueneme Canyon exceeds 10,000 mg/l. Saline impacts in the LAS are more extensive and severe in the area surrounding Mugu Lagoon, with much of the saline water is interpreted to source from brines rather than seawater. The updated report can be found on United's website: <a href="https://www.unitedwater.org/wp-content/uploads/2020/10/UWCD-OFR-2016-04-Saline-Intrusion-update-OP-and-PV-basins v2.pdf">https://www.unitedwater.org/wp-content/uploads/2020/10/UWCD-OFR-2016-04-Saline-Intrusion-update-OP-and-PV-basins v2.pdf</a>. The OH water system was designed in the early 1950s to move groundwater pumping away from coastal areas to minimize seawater intrusion.

See Figure 6-4 for a map showing saline intrusion in the Oxnard Plan Basin.



Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

#### **Groundwater Management**

The FCGMA was established in Ventura County by State Assembly Bill (AB) No. 2995 of the State Legislature in 1982 to control groundwater overdraft and minimize the threat of seawater intrusion in the Upper and Lower Aquifer Systems of the Oxnard Plain. After completing the FCGMA Planning Study that analyzed the condition of the LAS and UAS, the FCGMA adopted a plan of management of the LAS and UAS within the FCGMA boundaries in 1985. The objective of that plan and other policies adopted by the FCGMA is to eliminate overdraft in its service area, which also includes the Las Posas Valley Basin, and bring these basins to a "safe yield" condition by 2010. A "safe yield" condition is achieved when groundwater extractions from a basin are approximately equal to annual replenishments of water into the groundwater basin. Historically, the safe yield estimate for the FCGMA area has been approximately 120.000 AFY.

The 2007 Groundwater Management Plan established the need for the annual pumping from the Oxnard basin to be no more than 100,000 AFY. The average extraction between 2003 and 2012 was 124,586 AFY. Following the onset of drought conditions in 2012 the FCGMA adopted Emergency Ordinance E in 2014 to force additional reduction in groundwater extractions. Since then, there have been additional ordinances and resolutions with applicable state laws being enacted and the evaluation of groundwater sustainability in the region.

#### **Groundwater Sustainability**

With the passage of California's Sustainable Groundwater Management Act (SGMA) in 2014, prudent management of all of the state's groundwater basins is now a primary water resource concern and mandated by state law. SGMA requires adoption of Groundwater Sustainability Plans (GSPs) by January 31, 2020 for all basins defined by the state as either a high or medium priority and subject to critical overdraft, and by January 31, 2022 for all other high or medium priority basins. The Oxnard and Pleasant Valley basins are designated high-priority basins and subject to critical overdraft, and the FCGMA submitted GSPs for these basins in January 2020. For more information on SGMA, see <a href="http://www.water.ca.gov/cagroundwater/index.cfm">http://www.water.ca.gov/cagroundwater/index.cfm</a>. The Oxnard basin remains in a state of overdraft. DWR has not yet provided comments on the GSP for the Oxnard basin, but efforts are underway to achieve the sustainable conditions detailed in the GSP.

Per the GSP, historical over pumping of the aquifer systems has led to seawater intrusion of the subbasins in the Oxnard Plain. Between 2015 and 2017, average rate of groundwater production from the UAS and LAS was approximately 40,000 acre-feet per year (AFY) and 29,000 AFY, respectively. Groundwater simulations indicated that seawater intrusion would continue at these pumping rates. The sustainable yield of the Upper Aquifer System was calculated to be approximately 39,000 AFY, with an uncertainty of  $\pm$  4,100 to 6,000 AFY. The sustainable yield of the Lower Aquifer System was calculated to be approximately 7,000 AFY, with an uncertainty of  $\pm$  2,300 to 3,600 AFY <sup>6, pg. 6.5</sup>. To achieve sustainable management of the subbasins, pumping reductions will be required.

To minimize the pumping reductions necessary to achieve sustainable management of the Oxnard and Pleasant Valley basins, investment in large-scale projects to increase water supply, provide the infrastructure to redistribute pumping, and/or directly control seawater intrusion are being investigated.

Five-year evaluations are required by SGMA and will involve basin optimization studies, groundwater modeling, and project feasibility studies to explore practicable processes and approaches to increasing the sustainable yield of these basins.

The FCGMA adopted *An Ordinance to Establish an Allocation System for The Oxnard And Pleasant Valley Groundwater Basins, October 23, 2019.* This ordinance set an initial groundwater allocation of 14,337 AFY for United OH system. This allocation is based on groundwater production for calendar years 2004 through 2015. As of 2020, this volume was approximately 18.6% of the total (76,957 AF) allocation of the Oxnard basin. To reach future sustainable yield in both the combined UAS and LAS, an annual cutback volume for the OH system of approximately 372 AFY (2.60% per year) was proposed as part of a linear ramp down toward sustainability. Active engagement with basin pumpers is ongoing and the FCGMA board has not yet determined how and when cutbacks will be implemented.

#### **Past Five Years**

Over the past five years, the OH wells have produced 11,669 AFY, on average, of groundwater for distribution to the OH system. This does not include any pumping involved in emergency and temporary allocation transfers in 2019 and 2020 as mentioned previously. It should be noted that the OH wells extracted a total of 13,974 AF from the Oxnard Plain in 2020. This total includes 600 AF being transferred to the City of Oxnard for temporary purposes. See Table 6-1 for groundwater volumes over the past five years.

#### 6.2.3 Surface Water

Surface water is not directly used for supply in the OH system but is used for groundwater replenishment on the recharge basins adjacent the OH wells. Additional water diverted from the Santa Clara River is used for recharge in the Saticoy facilities or distributed to the Pumping Trough Pipeline (PTP) and Pleasant Valley (PV) irrigation systems.

#### 6.2.4 Stormwater

Stormwater collection systems do not currently contribute to water supply for the OH system.

#### 6.2.5 Wastewater and Recycled Water

United does not own nor operates wastewater or recycled water treatment facilities. Wastewater generated within the OH System service area is treated at the Oxnard Wastewater Treatment Plant (OWTP) owned and operated by the City of Oxnard (Oxnard), which provides secondary treated effluent. A significant portion of the secondary effluent from the OWTP is treated at the City's Advanced Water Purification Facility (AWPF). The City of Oxnard also owns and operates the AWPF. The AWPF that was completed in 2009 can currently produce up to approximately 7,000 AFY of high-quality recycled water that can be used for agricultural irrigation, landscape irrigation, groundwater recharge and industrial uses. United is interested in distributing recycled water from the City of Oxnard's AWPF to agricultural users on the PTP. The project was conditionally approved in October 2017 pending the system and areas where it will be used in compliance with Title 22 requirements. Independent of the City of Oxnard, United has

been planning projects that when implemented can deliver and safely distribute recycled water to PTP users. Those projects include removal of potential cross connections within the PTP system and interconnection pipelines connecting PTP to Pleasant Valley Pipeline (PVP). However, there are no active projects to connect the PTP to AWPF distribution lines and future activities are conditioned by the recent recycled water management agreement that is detailed in the following section. Utilizing recycled water will reduce reliance on groundwater extraction which will positively influence reliability for groundwater produced for the OH system.

#### **Recycled Water Conditions**

United is one of the signatories to the Full Advanced Treatment (FAT) Recycled Water Management and Use Agreement between Oxnard and several other agricultural entities in the Oxnard Plain. The Agreement provides for the delivery of recycled water from Oxnard's AWPF when it is available, with Oxnard uses having the highest priority. The FAT Recycled Water Management and Use Agreement would make use of United's PTP to deliver advanced treated recycled water from Oxnard's AWPF to agricultural users in the Oxnard Plain. On a temporary basis, Oxnard's recycled water was being delivered to the Pleasant Valley County Water District under a special use permit via Calleguas' existing Salinity Management Pipeline (SMP). That special use permit expired in 2020 and Oxnard intends to replace the temporary use of the SMP with the second phase of the Hueneme Road Pipeline (HRP) project among other distribution projects for AWPF recycled water. A construction contract for the HRP Phase II project was awarded by Oxnard's City Council on January 25, 2021.

#### 6.2.5.1 Wastewater Collection, Treatment and Disposal

This Section is not applicable to this UWMP.

Submittal Table 6-2	Submittal Table 6-2 Retail: Wastewater Collected Within Service Area in 2020										
$\boxtimes$	There is no wastewater collection system. The supplier will not complete the table below.										
V	Vastewater Collection			Recipient of Col	lected Wastewater	r					
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated?	Volume of Wastewater Collected from UWMP Service Area 2020	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area?	Is WWTP Operation Contracted to a Third Party? (optional)					
Total Wastewater Co Area in		0									

Submittal T	ubmittal Table 6-3 Wholesale: Wastewater Treatment and Discharge Within Service Area in 2020										
	Wholesale Supplier neither distributes nor provides supplemental treatment to recycled water.  The Supplier will not complete the table below.										
Does This		Does This Plant			2	2020 volumes					
Wastewater Treatment Plant Name	Location Name or	Discharge Location Description	Wastewater Discharge ID Number (optional)	Method of Disposal	Treat Wastewater Generated Outside the Service Area?	Treatment Level	Wastewater Treated	Treated	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
						Total	0	0	0	0	0

## 6.2.5.2 Potential, Current, and Projected Recycled Water Uses

Recycled water is not used in the OH system and there is no proposal to do so.

United and Oxnard have previously discussed utilizing recycled water to recharge storage in the Rose Basin, but currently, there are no plans to implement recycled water recharge in United's basins.

In the OH System service area, the City of Oxnard uses recycled water for landscape and agricultural irrigation. In recent years, Oxnard has also embarked on a pilot program for groundwater recharge with recycled water using an aquifer storage and recovery (ASR) groundwater well. In 2020, the City of Oxnard had begun construction on ASR Well #1.

Regarding the purveyors served by the OH system, with the exception of the City of Oxnard, there are no other agencies with plans to implement a recycled water system.

#### 6.2.5.3 Actions to Encourage and Optimize Future Recycled Water Use

This Section is not applicable to this UWMP.

Submittal Table 6-4 Wholesale: Current and Projected Retailers Provided Recycled Water Within Service Area										
		Recycled water is not directly treated or distributed by the Supplier. The Supplier will not complete the table below.								
Name of Receiving Supplier or Direct Use by Wholesaler	Level of Treatment	t	2020	2025	2030	2035	2040	2045 (opt)		
То			0	0	0	0	0	0		
Submittal Table 6-5 2020 Actual	Wholesale:	201	5 UWMP Re	ecycled Wa	ter Use Pro	jection Cor	npared to			
		nor p	cled water w projected for wholesale su	use or distri	bution in 20	20.		15,		
Name of Receiving Supplier or Direct Use by Wholesaler  2015 Projection for 2020 2020 Actual Use					al Use					
Add additional rows as needed										
	Total	Total 0								

#### 6.2.6 Desalinated Water

United does not currently supply desalinated water to the OH System. The South Oxnard Plain Brackish Water Treatment Feasibility Study (Carollo, August 2014) for development of a desalination facility. The study indicated a reverse osmosis (RO) desalination facility could be constructed on the South Oxnard Plain and supply water for agricultural use at a cost competitive rate with imported SWP water with superior quality. While providing a regional source of water for agricultural use, this system would not contribute to supply of the OH System.

## **6.2.7 Water Exchanges and Transfers**

In December 2005, a Memorandum of Understanding (MOU) for a pilot program was implemented between the Castaic Lake Water Agency (CLWA) and Casitas Municipal Water District, the City of Ventura, and United. The MOU allowed the CLWA to utilize the flexible storage allocations for State Water entitlements of United, the City of Ventura, and Casitas Municipal Water District in Castaic Lake, which is the terminal reservoir of the SWP. Based on the pilot program, CLWA (merged into SCV Water in 2018) can access 1,376 AF of the flexible storage account for storage of SWP water.

The MOU expires in 2025 by an extension that was approved by United's Board in 2015. As noted in Section 6.2.1, currently SWP exchanges and transfers arrive to United through surface water deliveries in the upper basins of the District. Some of the released water percolates in the river channel to the groundwater basins upstream of the Freeman Diversion, and the remaining water is diverted at the Freeman Diversion for recharge to the Oxnard basin and for surface water deliveries.

#### 6.2.7.1 Exchanges

United is contemplating the initiation of a master planning process to identify additional water supply opportunities. This process may include water supply exchanges.

United's most recent agreement to acquire supplemental water through an exchange of SWP water was in 2020, as described in Section 6.2.1. Exchanges of SWP water, including single and multi-year exchanges, will continue to be considered by United annually based on need and availability. At this time no long-term agreements for exchanges are in place. The SWP Water Supply Amendments for Water Management that are anticipated to be implemented in 2021 will likely increase exchange activity between State Water Contractors.

#### 6.2.7.2 Transfers

United's most recent agreement to purchase supplemental water through a transfer of SWP water was in 2020, as described in Section 6.2.1. Transfers of SWP water, including single and multi-year transfers, will continue to be considered by United annually based on need and availability. At this time no long-term agreements for transfers are in place. The SWP Water Supply Amendments for Water Management that are anticipated to be implemented in 2021 will likely increase transfer activity between State Water Contractors.

#### 6.2.7.3 Emergency Interties

Currently, United's OH system does not have any emergency intertie with other agencies. Under the development of the SWP interconnection (see 6.2.8.8 for details), United will have a turnout dedicated to SWP supply in addition to one turnout for pipeline discharge into recharge basins. The dedicated SWP turnout for supply to the OH system will be located on Rose Avenue for emergency supply situations.

## **6.2.8 Future Water Projects**

As of 2020, United does not have any future projects that would directly benefit water supply for the OH system. Some of the future projects listed below have the potential to improve groundwater reliability for the OH system through groundwater replenishment and reduced reliance of the basin. These projects are expected to reduce overdraft from the Oxnard basin making more water available in the local aquifers for sustainable extraction.

#### 6.2.8.1 Iron and Manganese Treatment Plan

Construction is planned to commence in the 2020-2021 Fiscal Year for the Iron and Manganese Treatment for the OH Pipeline, the largest project planned of the FY. The Iron and Manganese Treatment Plant is designed to reduce iron and manganese considerably and allow for reliable source of groundwater, in both terms of water quality and water quantity, from the LAS to blend with UAS water during periods of drought. Once operational, the proposed project would require electricity to operate various water treatment equipment, including the pumps and air scour blowers, as well as additional chlorine for oxidation of iron and manganese to insoluble forms. In normal (non-drought) years, the proposed project would not be operational and would not demand energy or chlorine. In drought conditions, the facility would begin pumping and treating groundwater supplies from the Lower Aquifer System to offset increasing nitrate levels in pumped Upper Aquifer System groundwater supplies. Under these conditions, the combined El Rio Well Field energy efficiency would be approximately 525 kilowatt hours (kWh) per acre-foot of water pumped and treated. The energy demand increases with increased depth of pumping, however the energy use for deeper pumping is estimated to be considerably less than the energy required for consumers in the service area to acquire water from the SWP 11.

## 6.2.8.2 Alternative Supply Assurance Pipeline Project (ASAPP)

During the 2016-2020 period, United performed a feasibility study (OFR 2019-01) relating to a proposed the Alternative Supply Assurance Pipeline Project (ASAPP) to address regional water supply challenges within the underlying basins. To reduce overdraft of the Oxnard basin and the resulting seawater intrusion, United considered acquisition of alternative water supplies (AWS) to supplement local water sources.

The ASAPP investigated several alternatives for maximizing surface water deliveries from Lake Piru to the Oxnard Plain. These alternatives included an interim recharge and storage in Piru or Fillmore basins

<sup>&</sup>lt;sup>11</sup> Iron and Manganese Treatment Plant EIR

then extraction and pipeline delivery of the stored water to the Oxnard basin or direct delivery of water from Lake Piru to the Oxnard basin via pipeline (preferred alternative). The ASAPP would increase SWP water deliveries by 6,000 AFY and increase surface water deliveries by 14,000 AFY as well as allow full control of water deliveries to the Oxnard basin, maximize surface water deliveries during drought periods, and reduce seawater intrusion by increasing water levels in the coastal aquifers <sup>12</sup>. The project was put on hold in 2020, primarily due to the high capital cost associated with construction of the 27-mile pipeline. Additional challenges or drawbacks to the ASAPP project as reported in the feasibility study include the potential water quality (quagga mussel infestation in Lake Piru) issues within downstream pipelines, compatibility with United's current water rights for water storage in Lake Piru, and feasibility of infrastructure and easements. The district currently does not plan to proceed with this project as originally conceived, but some elements, including expanding SWP water purchases and conjunctive use of groundwater and surface water in the south-central Oxnard basin and Pleasant Valley basins, are currently being evaluated for potential inclusion in the Basin Optimization approach to increasing sustainable yield, as discussed below.

#### 6.2.8.3 Pumping Trough Pipeline

The District is preparing to distribute recycled water from the City of Oxnard's AWPF via the PTP to agricultural users on the system as mentioned in Section 6.2.5.

#### 6.2.8.4 Coastal Brackish Water Treatment Project

Seawater intrusion in the southern Oxnard Plain has long been a problem due to agricultural, industrial, and residential land uses that rely on groundwater. When pumping exceeds recharge, water levels in the groundwater basin can fall below sea level, drawing seawater into the aquifers and impacting water quality.

Unlike coastal Los Angeles and Orange County, Ventura County does not have a seawater intrusion barrier in place, and saline intrusion impairs groundwater quality for agricultural or municipal uses.

To protect groundwater supplies, United Water is evaluating a project in collaboration with Navy Base Ventura County (NBVC) that will provide seawater intrusion barrier using extraction wells for hydraulic control and reverse osmosis to treat the brackish groundwater for potable use by the Navy and for agricultural use on nearby farms. The project will create 3,500 to 14,000 AFY of potable water, depending on final design parameters.

The project will reduce groundwater pumping near the coastline, mitigate saline intrusion into coastal areas of the aquifers, create an additional irrigation and emergency supply, and is estimated to increase sustainable yield of the Oxnard and Pleasant Valley basins by 10,000 to 20,000 AFY. This is a long-term project as it is currently in the earlier stages of evaluation.

<sup>&</sup>lt;sup>12</sup> Alternative Supply Assurance Pipeline Project, OFR 2019-01

#### 6.2.8.5 Anacapa Project Report, July 2019

United finalized a feasibility study in July 2019 that investigated using groundwater from the UAS in the coastal northwest Oxnard basin to recharge and benefit other parts of the basin. This project would only operate during years of normal or above normal precipitation when groundwater elevations are above normal and groundwater that would normally not be pumped would otherwise flow past the coastline and lost to the offshore portion of the aquifer system. The project would involve a well field in the study area of the coastal Oxnard basin and a pipeline to convey extracted water to inland areas of the basin for beneficial use. Following preliminary evaluation, the District determined that this potential project would be unlikely to provide substantial benefits to sustainable yield of the Oxnard basin under current groundwater conditions and placed it on hold until additional information became available that suggested this project may produce a significant benefit.

#### 6.2.8.6 Basin Optimization

The District is currently working with FCGMA and stakeholders in the Oxnard and Pleasant Valley basins to evaluate the potential benefits and costs of "optimizing" groundwater pumping and conjunctive use to increase sustainable yield of these basins. Because saline intrusion is the primary driver for the reduced pumping allocations contemplated in the FCGMA's (2019) GSPs for the Oxnard and Pleasant Valley basins, shifting pumping away from the coast and up from the LAS to the UAS has shown potential for mitigating saline intrusion and thereby increase sustainable yield of the basin (requiring smaller cutbacks in pumping). Three phases of optimization are currently being evaluated by the District and FCGMA, including:

- Phase 1—Reduce pumping in the "seawater intrusion management area" generally south of Hueneme Road in the Oxnard and Pleasant Valley basins
- Phase 2—Shift United's groundwater pumping from the LAS to the UAS by replacing its existing PTP wells
- Phase 3—Shift most of the remaining pumping in the LAS in Oxnard basin to the UAS by constructing new UAS wells in the northern and western portions of Oxnard basin and building new conveyance systems to replace the water currently pumped from existing LAS wells

However, it should be noted that if the Coastal Brackish Water Treatment Project (described above) is as successful at mitigating saline intrusion as preliminary modeling suggests, then Optimization Phases 2 and 3 may not provide a significant net benefit to sustainable yield. The District and FCGMA are currently evaluating the potential effects and synergies of each of these projects to determine their optimal configuration, considering benefits and costs.

#### 6.2.8.7 Freeman Expansion Project

The District has prepared plans and designs to increase capacity of its existing diversion and groundwater recharge system at Freeman Diversion by taking advantage of the reclaimed Rose and Ferro aggregate mining pits. The project aims to benefit the Oxnard and Pleasant Valley basins by

expanding and extending water conveyance and recharge capacity. The potential increase in sustainable yield is currently estimated at 6,000 to 9,000 AFY, as a long-term average. The Freeman Expansion Project will be constructed in two phases, with Phase 1 to be completed in 2028 and Phase 2 to be completed in 2036. Yields and costs are contingent on some factors outside of United's control, such as permitting and fish passage.

#### 6.2.8.8 Expanded SWP Purchases (Article 21 and Table A Exchanges/Transfers)

As noted above (see Sections 6.2.1 and 6.2.7), the District has recently begun purchasing, exchanging, and/or transferring additional SWP water for artificial recharge and surface-water delivery in its service area. The District is currently working under the assumption that 6,000 AFY could be purchased (when Article 21 water is available from SWP), transferred, or exchanged for use within its service area. The District is currently working with its consultant and FCGMA to determine potential costs during wet, dry, and average water years.

#### 6.2.8.9 Recharge of Flushing Water from SWP Interconnect Project

The City of Ventura's planned SWP Interconnection Pipeline and Blending Station project will include a blow off within United's spreading grounds for discharging of flushed water generated as a result of operations and maintenance. Flushed water can be recharged at the Saticoy Spreading Grounds. In addition, United is coordinating with the City of Ventura and designing the extension pipeline for additional turnouts for emergency supply as described in Section 6.2.7.3. These proposed turnouts may provide opportunities for delivery of modest quantities of water from Calleguas MWD (and wheeled through the SWP Interconnect Pipeline) or the City of Ventura, if available and under certain circumstances. The water may serve as emergency M&I supply for customers served by United within Metropolitan-annexed areas. United is currently planning for approximately 500 AFY of flushed water to be recharged at Saticoy, which will slightly increase overall yield and availability of groundwater at El Rio.

# 6.2.8.10 Other Projects Currently in Planning or Under Evaluation with FCGMA and Regional Stakeholders

Conejo Creek Storage Expansion—This potential project includes development of a storage facility to hold increased diversions from Conejo Creek for delivery to agriculture customers in the OPV area. The project could yield approximately 2,500 AFY in additional surface water supplies, which would improve overall availability and reliability of groundwater supplies for all users (M&I and agricultural), including the OH Project. Initial cost estimates vary widely depending on the eventual capacity (500-2,500 AFY), dimensions, location, and characteristics of the pond. Camrosa Water District, City of Camarillo, Pleasant Valley County Water District, and United Water Conservation District are beginning discussions about the scope of an initial study to further develop the concept and narrow the range of costs.

M&I Water Market—Conceptually, the development of an M&I Water Market is to allow flexibility within the M&I water user community that is presently available to the agricultural water user community. M&I groundwater producers in the FCGMA's service area typically have a portfolio of sources that they conjunctively manage during wet and dry periods. A market would allow users to sell a portion of their groundwater allocation in a given year, making groundwater available to other users, including small

mutual water companies. The ability to transfer groundwater within a market would allow greater flexibility for the M&I water suppliers. The potential benefits to groundwater users in the basin (including the OH Project) are unknown at this time.

Submittal Table 6-7 Wholesale: Expected Future Water Supply Projects or Programs									
Ŋ		No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.							
		Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.							
	Provide	page locat	tion of narrative	in the UWMP					
Name of Future Projects or Programs	with	Project other liers?  If Yes, Agency Name	Description (if needed)	Planned Implementation Year	Planned for Use in Year Type Drop Down list	Expected Increase in Water Supply to Supplier			

## 6.2.9 Summary of Existing and Planned Sources of Water

#### 6.2.9.1 Description of Supplies

United's existing source of water for the OH System is groundwater pumped from the Oxnard basin, which is managed by FCGMA. The District operates twelve (12) groundwater production wells in the Oxnard basin, the El Rio Treatment Plant, and a transmission pipeline to serve the City of Oxnard, PHWA, and several mutual water companies. See section 6.1.1

#### 6.2.9.2 Quantification of Supplies

As mentioned previously in section 6.2.2.3, *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the GSP established by FCGMA meeting the requirements of the SGMA of 2014. United's 2021 allocation was established at 14,337 AFY for United's OH system with annual cutback volume of approximately 372 AFY (2.60% of the established base allocation per year) estimated by United to meet sustainable yield of the Oxnard basin as described in FCGMA's GSP. Allocation cutbacks are to start October 1st, 2021. After sustainability is reached in September 2040, cutbacks are assumed to stop, and supply is expected to remain constant.

Submittal Table 6-8 Wholesale: Water Supplies — Actual									
Water Supply			2020						
	Additional Detail on Water Supply	Actual Volume	Water Quality	Total Right or Safe Yield (optional)					
Groundwater (not desalinated)		13,374	Drinking Water						
	Total	13,374		0					

#### NOTES:

- 1) Transfer of Temporary Extraction Allocation occurred (and approved by FCGMA) of 600 AF to the City of Oxnard between July 1 and September 30, 2020. The extraction was due to maintenance issues related for Oxnard's groundwater pumping. This is not included in total water use for 2020.
- 2) Losses for the United OH System are calculated using the total pumping volume for 2020 and subtracting the metered sales to other agencies, and the retail sales to Rio Real and Rio Del Valle School, E&H Land Company.

Submittal Tab	Submittal Table 6-9 Wholesale: Water Supplies — Projected										
Water Supply				<b>ojected Water S</b> t To the Extent F							
	Additional	2025	2030	2035	2040	<b>2045</b> (opt)					
	Detail on Water Supply	Reasonably Available Volume	Reasonably Available Volume	Reasonably Available Volume	Reasonably Available Volume	Reasonably Available Volume					
Groundwater (not desalinated)		12,755	10,894	9,033	7,265	7,265					
	Total	12,755	10,894	9,033	7,265	7,265					

#### Notes:

- 1) Groundwater allocation cutback of 372 AFY to begin Oct. 2021 and end Sep. 2040. Values shown in this table reflect calendar year ending Dec. 31st. (e.g. initial allocation Oct. 2021 of 14,337 AFY (372 AFY x 4.25 years) = 12,755 AFY in Dec. 2025)
- 2) These projections are subject to change depending on actual implementation of the allocations in the Oxnard basin by FCGMA. These projections do not include potential variances that may be granted to the OH System or and any additional variances would increase the total allocation for the Oxnard basin.

#### 6.2.10 Special Conditions

## 6.2.10.1 Climate Change Effects

Effects of Climate Change are discussed in Section 4.5. Per the adopted GSP, a literature review conducted in support of the *U.S. Bureau of Reclamation's Los Angeles Basin Stormwater Conservation Study Task 3.1 Report* found that the following changes are anticipated in Southern California due to global climate change (Bureau of Reclamation 2013):

- Increased temperature (1°C to 3°C)
- Increased evaporation rate
- Decrease in annual precipitation (2% to 5%)
- Increase in extreme precipitation events

Future climate conditions were modeled for the Oxnard Subbasin using climate change factors provided by DWR<sup>6, pg. 6.5</sup>.

## 6.2.10.2 Regulatory Conditions and Project Development

The supply to the OH system is subject to basin regulation managed by the FCGMA. The adopted GSP and GSP reevaluations every five years may influence future annual water supply volumes and reliability of groundwater within the Oxnard basin.

#### 6.2.10.3 Other Locally Applicable Criteria

## 6.3 Submittal Tables Completion Using the Optional Planning Tool

The Optional Planning Tool was not used in this UWMP.

## 6.4 Energy Intensity

Per Water Code 10631.2. (a) an UWMP shall include, to the extent possible, an estimate of energy used to extract, divert, convey, treat, and distribute water supplies. Estimated energy consumption for Groundwater extraction and pumping for the OH system for the calendar year 2020 is shown in Table 6-A. This information was made available by Southern California Edison from metered facilities that supply the OH system.

Table 6-A: OH System 2020 Estimated Energy Intensity									
Annual Energy Consumption									
Meter	kWh	Facility Description							
OH Booster Plant	2,937,847	OH Booster Plant for treatment and pressure to supply the pipeline and							
OH Well Field	3,177,108	Upper Aquifer Wells							
Well #12	6,934	Lower Aquifer Well							
Well #13	3,335	Lower Aquifer Well							
Well #14	26,564	Lower Aquifer Well							
OH Well Field Backup Generator	86	OH Well Field Backup Generator							
Total	6,151,874								
Energy Intensity									
OH System Energy Consumption (kWh)	6,151,874								
OH System Water Volume (AF)	13,974	Includes the Transfer of Temporary Extraction Allocation (approved by FCGMA) of 600 AF to the City of Oxnard between July 1 and September 30, 2020							
Estimated System Energy Intensity (kWh / AF)	440								

## **Chapter 7: Water Service Reliability and Drought Risk Assessment**

#### 7.1 Introduction

The UMWP requires urban water suppliers to assess water supply reliability and compare total projected water use with the expected water supply over the 20-year planning horizon in five-year increments. The UWMP also requires an assessment for a single dry year and five consecutive dry years. This chapter presents the reliability assessment for United's OH System service area.

It is United's and their retail water purveyors' goal to deliver a reliable and high-quality water supply for their customers, even during dry periods. Based on conservative water supply and demand assumptions over the next 25 years, in combination with conservation of non-essential demand during certain dry years, the UWMP successfully achieves this goal as presented further in this chapter.

## 7.2 Water Service Reliability Assessment

#### 7.2.1 Constraints on Water Sources

As described in Chapter 6, *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the GSP established by FCGMA meeting the requirements of the SGMA of 2014. Based on groundwater production from 2004 to 2015, FCGMA established an allocation of 14,337 AFY for United's OH system with an annual cutback volume of approximately 372 AFY (2.60% of the base allocation). The annual groundwater allocation cutbacks are expected to begin October 1st, 2021 and come to an end by September 30th, 2040 after sustainability is reached, however this is yet to be fully determined by FCGMA and more information is anticipated to become available in the coming months.

The Oxnard basin currently provides a reliable source of water for the OH System except during the severest droughts. However, the allocation reductions to reduce groundwater overdraft on the Oxnard Plain and the resulting seawater intrusion have an impact on United's water supply. Therefore, the District is evaluating alternative water supplies (AWS) to supplement local water resources as discussed in Section 6.2.8.

United also has a contractual right to SWP water which can be released from either Pyramid Lake or Castaic Lake and diverted at the Freeman Diversion. This supplemental source benefits the District, including the Oxnard basin, but is more costly than natural runoff.

#### 7.2.1.1 Water Quality

This section provides a general description of the water quality of the supplies delivered by United, aquifer protection, and a discussion of potential water quality impacts on the reliability of these supplies. United is committed to providing its purveyors with high quality water that meets all federal and state primary drinking water standards. Some contaminants are naturally occurring minerals. In some cases, the presence of animals or human activity can contribute to the constituents in the source waters. The

following subsections address constituents reported in the Santa Clara River Watershed Sanitary Survey Updates impacting water quality. The 2020 Consumer Confidence Report (CCR) was made available in May 2021. Water quality reports are available on United's website at <a href="https://www.unitedwater.org/key-documents/#water-quality">https://www.unitedwater.org/key-documents/#water-quality</a>.

**Nitrate.** Nitrate levels in the Oxnard basin may rise quickly for short periods of time because of rainfall or agricultural activity. Studies by United indicate nitrate is contributed to groundwater by land uses within the Oxnard Plain Forebay and the likely sources are local septic systems and the application of nitrogen fertilizers. The greatest water quality concern in the UAS wells is nitrate concentrations which have historically increased during times of drought <sup>13</sup>. Nitrates are tested weekly for the shallow OH System wells. The MCL for nitrate as nitrogen is 10 mg/L. United is currently addressing nitrate issues at Well 15 by increasing the depth of the pump bowls. Well 4 was replaced in 2016 by a new, deeper Well 18. Well 18 has been commissioned and placed online.

**Pathogens.** Microbial contaminants, such as viruses and bacteria, can be naturally occurring or result from urban storm water runoff, sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Previously, the OH System was determined to be groundwater under the direct influence of surface water by the Division of Drinking Water (DDW), and United implemented an enhanced disinfection system to maintain the water quality delivered to its purveyors. Water is tested regularly for total coliform bacteria and fecal coliform. No total or fecal coliform were detected in the OH System in 2019. The bacteriological tests met federal and state requirements.

**Radon.** Radon is a naturally-occurring radioactive gas that is tasteless, odorless, and invisible, and is ubiquitous in the United States. It is found in indoor and outdoor air and in drinking water, although drinking water is generally a small contributor to radon exposure. Radon is a known human carcinogen; however, there is currently no Federal or State MCL for radon. In 2019, radon was detected in the OH System at average levels of 685.75 picocuries per liter.

**Iron and Manganese**. Iron and manganese are usually natural-occurring contaminants that enter the groundwater from leaching of natural mineral deposits. Iron and manganese have secondary MCLs which are established to regulate the aesthetic quality of water. Iron and manganese can also affect the efficiency of membrane treatment which is increasingly being used by the purveyors of the OH System. The greatest water quality concern in LAS wells is iron and manganese concentrations <sup>14</sup>. In 2019, average blended concentration of iron and manganese was 3.21 ppb (parts per billion) and 0.19 ppb, respectively. The OH System currently operates under a one-year waiver from DDW. United is constructing an iron and manganese treatment for the OH System which is anticipated to be online in October 2022. The Iron and Manganese Treatment Plant (Section 6.2.8.1) that is currently preparing for construction, is designed to reduce iron and manganese considerably and allow for reliable source of

<sup>&</sup>lt;sup>13</sup> Iron and Manganese Removal TM with Pilot Plant Update, UWCD, 2016

<sup>&</sup>lt;sup>14</sup> Iron and Manganese Removal TM with Pilot Plant Update, UWCD, 2016

groundwater from the LAS to blend with UAS water during periods of drought when the UAS pumped water has historically encountered nitrate concentration issues.

#### **Groundwater Contamination**

Potential risks to United's groundwater supplies include groundwater contamination caused by spillage of agricultural chemicals, runoff from industrial sites, spillage from tanker trucks carrying hazardous chemicals, or other accidents. Generally, United develops a response plan on a case-by-case basis depending on the severity of the risk. In a previous methyl tertiary butyl ether (MTBE) contamination event, United was closely involved in oversight of the cleanup and increased the frequency of contaminant monitoring at its wells. However, if a severe groundwater contamination event were to occur, water supplies for the OH System could be adversely affected.

#### **Aquifer Protection**

As described in Chapter 6, groundwater extractions from the Oxnard basin are managed by FCGMA. As the designated Groundwater Sustainability Agency, FCGMA has the primary responsibility for aquifer protection and has prepared a Groundwater Sustainability Plan (GSP). United supports the FCGMA aquifer protection efforts through the preparation of an annual Groundwater Conditions Report, which analyzes the water balance in the Oxnard basin, as well as the other basins within United's service area. United also prepares a biennial Groundwater and Surface Water Conditions Report, which summarizes hydrogeology, hydrologic conditions, water levels, surface water flows, groundwater extractions, and water quality of groundwater basins and surface waters within United's service area. It also discusses the key issues facing these hydrologic features.

#### Water Quality Impacts on Reliability

The primary factors affecting the availability of groundwater are sufficient source capacity (wells and pumps), sustainability of the groundwater resource to meet pumping demand on a renewable basis, and protection of groundwater sources (wells) from natural or anthropogenic contamination, or provisions for treatment in the event of contamination. The development of sufficient source water capacity is an ongoing concern to United. Several wells are currently scheduled for replacement due to age, condition, or high nitrate concerns. Aquifer protection is discussed in the previous section and United is currently constructing iron and manganese treatment for the OH System.

In general, the wells with high nitrate concentrations are shallower than the wells with high iron and manganese concentrations. During severe drought conditions, it may not be possible to blend water with high nitrate concentrations to with water lower in nitrate concentrations to acceptable levels, thereby impacting water supply reliability. This would improve the water supply reliability of the OH System. Accordingly, water quality is not expected to impact water supply reliability for the OH System.

#### 7.2.2 Year Type Characterization

To determine the water supply reliability of United's OH System, an assessment was developed that includes a comparison of the total projected water demand with the supply available for the following conditions: (1) normal/average water year, (2) single-dry water year, and (3) five-consecutive-year

drought. The basis of the water supply and demand assessment is summarized in Table 7-1. The results for the assessment for each of these three conditions are described in the following sections.

Submittal Table 7-1 Wholesale: Basis of Water Year Data (Reliability Assessment)									
		Available Supplies if Year Type Repeats							
Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example,		Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location						
	water year 1999-2000, use 2000	V	Quantification of available supplies is provided in this table as either volume only, percent only, or both.						
		Volume Available	% of Average Supply						
Average Year	2004-2015	14,337	100%						
Single-Dry Year	2010	15,709	110%						
Multiple-Dry Years 1st Year	2010-2014	15,708	110%						
Multiple-Dry Years 2nd Year	2010-2014	10,747	75%						
Multiple-Dry Years 3rd Year	2010-2014	14,210	99%						
Multiple-Dry Years 4th Year	2010-2014	12,854	90%						
Multiple-Dry Years 5th Year	2010-2014	10,773	75%						

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

NOTES: Average year is the current allocation value, the single dry year is the highest pumping level in the past 10 years, and the multiple consecutive dry years also represent the lowest pumping levels. These values do not reflect future allocation reductions.

#### 7.2.3 Water Service Reliability

#### 7.2.3.1 Water Service Reliability – Normal Year

Current and future water demands for the OH System are discussed in Chapter 4 and current and future water supplies are described in Chapter 6. Conservative assumptions were utilized concerning availability of supplies. The baseline period of 2004-2015 was used for the average/normal year assessment in

Table 7-1. However, FCGMA reduced allocations have been used in Tables 7-2 through 7-4 as this is considered the new normal supply for all types of water year. During a normal/average water year, United is anticipated to reduce its OH System purveyor allocations accordingly and, therefore, reduce water demands through 2040.

The OH system is physically robust to climate/drought, yet limitations from GSP related regulatory requirement and UAS water quality issues that arise during drought reduce the robustness. The Iron/Manganese treatment project, in part funded through DWR grant, will relieve drought-related water quality issues by blending Lower Aquifer wells with Upper Aquifer wells. The OH System can physically pump and deliver more than allocated in order to meet demand, but Purveyors will be charged accordingly and be subjected to penalties imposed by FCGMA.

Submittal Table 7-2 Wholesale: Normal Year Supply and Demand Comparison									
	2025	2030	2035	2040	2045 (Opt)				
Supply totals (autofill from Table 6-9)	12,755	10,894	9,033	7,265	7,265				
Demand totals (autofill fm Table 4-3)	12,755	10,894	9,033	7,265	7,265				
Difference	0	0	0	0	0				

#### NOTES:

#### 7.2.3.2 Water Service Reliability – Single Dry Year

The FCGMA has adopted an ordinance to establish an allocation system for the Oxnard and Pleasant Valley Groundwater Basins. The allocation system reduced United's annual allocation and therefore it is anticipated purveyors would reduce their consumption and obtain supplies from other sources available to them. As such, there is no difference between the projected supply and demand values shown Table 7-3. In future multiple-dry years, United is anticipated to reduce its OH System purveyor allocations accordingly. The single-dry year assessment resulted in a reduced water supply and therefore a reduced water demands through 2040.

<sup>1)</sup> See notes in Tables 6-9 and 4-3 for supply and demand projection assumptions represented by values provided here.

Submittal Table 7-3 Wholesale: Single Dry Year Supply and Demand Comparison										
	2025	2030	2035	2040	2045 (Opt)					
Supply totals	12,755	10,894	9,033	7,265	7,265					
Demand totals	12,755	10,894	9,033	7,265	7,265					
Difference	0	0	0	0	0					

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

#### NOTES:

1) See notes in Tables 6-9 and 4-3 for supply and demand projection assumptions represented by values provided here.

#### 7.2.3.3 Water Service Reliability – Five Consecutive Dry Years

The FCGMA has adopted an ordinance that establishes an allocation system for the Oxnard and Pleasant Valley Groundwater Basins. The allocation system reduced United's allocation and therefore it is anticipated purveyors would reduce their consumption and obtain supplies from other sources. As such, the difference between supply and demand totals is shown as "0 AF". In future multiple-dry years, United is anticipated to reduce its OH System purveyor allocations accordingly. As indicated in Table 7-4, the multiple-dry year assessment resulted in a reduced water supply and, therefore, a reduction in water demands through 2040.

Submittal Table 7-4 Wholesale: Multiple Dry Years Supply and Demand Comparison						
		2025*	2030*	2035*	2040*	2045* (Opt)
	Supply totals	12,755	10,894	9,033	7,265	7,265
First year	Demand totals	12,755	10,894	9,033	7,265	7,265
	Difference	0	0	0	0	0
	Supply totals	12,383	10,522	8,661	7,265	7,265
Second year	Demand totals	12,383	10,522	8,661	7,265	7,265
	Difference	0	0	0	0	0
	Supply totals	12,011	10,150	8,289	7,265	7,265
Third year	Demand totals	12,011	10,150	8,289	7,265	7,265
	Difference	0	0	0	0	0
	Supply totals	11,639	9,778	7,917	7,265	7,265
Fourth year (optional)	Demand totals	11,639	9,778	7,917	7,265	7,265
	Difference	0	0	0	0	0
	Supply totals	11,267	9,406	7,545	7,265	7,265
Fifth year (optional)	Demand totals	11,267	9,406	7,545	7,265	7,265
	Difference	0	0	0	0	0

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

### NOTES:

1) See notes in Tables 6-9 and 4-3 for supply and demand projection assumptions represented by values provided here.

## 7.2.4 Description of Management Tools and Options

The FCGMA has adopted an ordinance to establish an allocation system for the Oxnard and Pleasant Valley Groundwater Basins. The allocation system reduced United's annual allocation and therefore it is anticipated purveyors would reduce their consumption and obtain supplies from other sources available to them.

In addition to the reduced groundwater allocations, United is considering acquisition of alternative water supplies to supplement local water sources as discussed in Section 6.2.8 to reduce groundwater overdraft on the Oxnard Plain and the resulting seawater intrusion.

To address water quality issues, United is constructing an iron and manganese treatment for the OH System which is anticipated to be online in October 2022.

# 7.3 Drought Risk Assessment

The UMWP requires the DRA be based on the five driest consecutive years on record. The UWMP requires consideration be given to the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.

## 7.3.1 Data, Methods, and Basis for Water Shortage Conditions

For United, the five-consecutive years of 2010-2014 represent the driest five-consecutive years as shown in Figure 7-1.

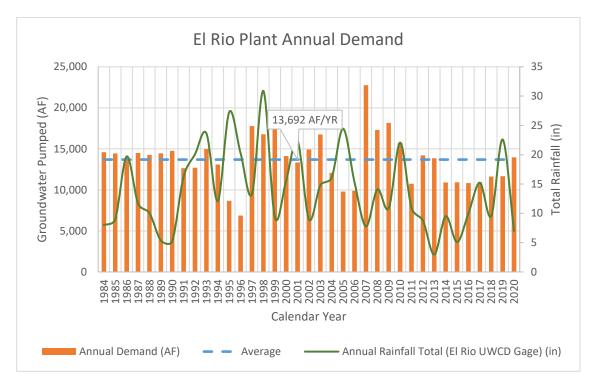


Figure 7-1 United's El Rio Plant Annual Demand (2019 and 2020 data shown is preliminary)

## 7.3.2 DRA Water Source Reliability

#### 7.3.2.1 Groundwater

As discussed in Chapter 6, the FCGMA has adopted *The Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins*. The allocation system reduced United's annual allocation and therefore it is anticipated purveyors will be required to reduce their consumption and obtain supplies from other sources available to them. In future multiple-dry years, United anticipates reducing its OH System purveyor allocations accordingly.

### 7.3.2.2 Imported Water

The largest purveyors relying on the OH System also receive water from Calleguas, which is a member agency of the Metropolitan Water District of Southern California (MWD). The OH System purveyors purchase imported surface water from Calleguas, which in turn purchases SWP water from MWD. Imported water supply originates in Northern California and is conveyed over 500 miles to Southern California through the SWP's system of reservoirs, aqueducts, and pump stations. Water is filtered and disinfected at MWD's Joseph Jensen Filtration Facility in Granada Hills. Calleguas receives the treated water via MWD's West Valley Feeder and Calleguas' three-mile-long tunnel through the Santa Susana Mountains. Calleguas either stores the treated water in Lake Bard or feeds the water directly to the Calleguas Springville Reservoir near Camarillo. Although Calleguas has served the needs of its members, without fail, except for a few days following the 1994 Northridge Earthquake, MWD and Calleguas have implemented a Water Supply Allocation Plan (WSAP) which limits the quantity of water its

purveyors can receive without significant financial penalties. Both MWD and Calleguas are implementing a variety of programs to increase the reliability of imported water deliveries. Both MWD and Calleguas, due to their historical performance and scope of operations, have provided, and will continue to provide, a reliable source of water to the largest OH System purveyors.

As discussed previously in Section 6.2, United does not purchase or import water for the OH System on a regular basis for its direct supply to purveyors. United does purchase SWP water on an annual basis to recharge the groundwater basins to supplement the water that is naturally available within the Santa Clara River watershed.

## 7.3.3 Total Water Supply and Use Comparison

In accordance with Water Code Section 10612, the DRA evaluation is based on the five driest consecutive years on record which is 2010-2014 for United. The code requires considerations for plausible changes in climate, regulations, and other locally applicable criteria. As noted previously, the FCGMA has adopted an ordinance to establish an allocation system for the Oxnard and Pleasant Valley Groundwater Basins. This evaluation includes changes in climate, regulations, and hydraulic modeling specific to the regions United serves. Table 7-5 provides an assessment of water use over next five years versus water supply. The reduction in supply as a result of the allocation reductions for each subsequent year has also been accounted for in Table 7-5. See 6.2.9.2 and 4.2.6 for background on projected supply and demand values represented here.

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)			
2021	Total		
Gross Water Use	14,244		
Total Supplies	14,244		
Surplus/Shortfall w/o WSCP Action	0		
Planned WSCP Actions (use reduction and supply augmentation)			
WSCP - supply augmentation benefit	0		
WSCP - use reduction savings benefit	0		
Revised Surplus/(shortfall)	0		
Resulting % Use Reduction from WSCP action	0		

2022	Total	
Gross Water Use [Use Worksheet]	13,871	
Total Supplies [Supply Worksheet]	13,871	
Surplus/Shortfall w/o WSCP Action	0	
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit	0	
WSCP - use reduction savings benefit	0	
Revised Surplus/(shortfall)	0	
Resulting % Use Reduction from WSCP action	0	

2023	Total	
Gross Water Use [Use Worksheet]	13,499	
Total Supplies [Supply Worksheet]	13,499	
Surplus/Shortfall w/o WSCP Action	0	
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit	0	
WSCP - use reduction savings benefit	0	
Revised Surplus/(shortfall)	0	
Resulting % Use Reduction from WSCP action	0%	

2024	Total	
Gross Water Use [Use Worksheet]	13,127	
Total Supplies [Supply Worksheet]	13,127	
Surplus/Shortfall w/o WSCP Action	0	
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit	0	
WSCP - use reduction savings benefit	0	
Revised Surplus/(shortfall)	0	
Resulting % Use Reduction from WSCP action	0%	

2025	Total	
Gross Water Use [Use Worksheet]	12,755	
Total Supplies [Supply Worksheet]	12,755	
Surplus/Shortfall w/o WSCP Action	0	
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit	0	
WSCP - use reduction savings benefit	0	
Revised Surplus/(shortfall)	0	
Resulting % Use Reduction from WSCP action	0%	

# **Chapter 8: Water Shortage Contingency Plan**

As part of its UWMP, Water Code Section 10632 requires Suppliers to prepare and adopt a Water Shortage Contingency Plan (WSCP). The WSCP draws upon lessons learned from the 2012-2016 drought, California's driest period on record. The following discussion presents the various stages and basis for implementation. For the detailed WSCP, see Appendix E.

## 8.1 Water Supply Reliability Analysis

The primary source of water for the United Water Conservation District's (United) Oxnard-Hueneme (OH) system is the Oxnard basin. The groundwater basin is managed by the Fox Canyon Groundwater Management Authority (FCGMA) who sets allocations for each pumper. As described in Chapter 6, *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the GSP established by FCGMA meeting the requirements of the SGMA of 2014. Based on groundwater production from 2004 to 2015, FCGMA established an allocation of 14,337 AFY for United's OH system with an annual cutback volume of approximately 372 AFY (2.60% of the base allocation). The annual groundwater allocation cutbacks are expected to begin October 1st, 2021 and come to an end by September 30th, 2040 after sustainability is reached, however this is yet to be fully determined by FCGMA and more information is anticipated to become available in the coming months.

The Oxnard basin currently provides a reliable source of water for the OH System. However, the allocation reductions to reduce groundwater overdraft on the Oxnard Plain and the resulting seawater intrusion have an impact on United's water supply. Therefore, the District is evaluating alternative water supplies (AWS) to supplement local water resources as discussed in Chapter 6.

United also has a contractual right to SWP water which can be released from either Pyramid Lake or Castaic Lake and diverted at the Freeman Diversion. This supplemental source benefits the District, including the Oxnard basin, but is more costly than natural runoff.

United is committed to providing its purveyors with high quality water that meets all federal and state primary drinking water standards. Some contaminants are naturally occurring minerals. In some cases, the presence of animals or human activity can contribute to the constituents in the source waters. More detail is provided in Chapter 7 which address constituents reported in the Santa Clara River Watershed Sanitary Survey Updates impacting water quality.

Potential risks to United's groundwater supplies include groundwater contamination caused by spillage of agricultural chemicals, runoff from industrial sites, spillage from tanker trucks carrying hazardous chemicals, or other accidents. Generally, United develops a response plan on a case-by-case basis depending on the severity of the risk. However, if a severe groundwater contamination event were to occur, water supplies for the OH System could be adversely affected. In the event of severe groundwater contamination, United would implement the appropriate WSCP action and response as described in more detail in the following sections.

To determine the water supply reliability of United's OH System, an assessment was developed that includes a comparison of the total projected water demand with the supply available for the following

conditions: (1) normal/average water year, (2) single-dry water year, and (3) five-consecutive-year drought. The basis of the water supply and demand assessment is summarized in Chapter 7. FCGMA reduced allocations have been used in the assessment as this is considered the new normal supply for all types of water year. United is anticipated to reduce its OH System purveyor allocations accordingly and, therefore, reduce water demands through 2040 for all year types. The OH system is physically robust to climate/drought, yet limitations from GSP related regulatory requirement and UAS water quality issues that arise during drought reduce the robustness. The Iron/Manganese treatment project discussed in Chapter 6 of the UWMP, in part funded through DWR grant, will relieve drought-related water quality issues by blending Lower Aquifer wells with Upper Aquifer wells. The OH System can physically pump and deliver more than allocated in order to meet demand, but Purveyors will be charged accordingly and be subjected to penalties imposed by FCGMA.

## 8.2 Annual Water Supply and Demand Assessment Procedures

Pursuant to CWC Section 10632(a)(2), United has included the procedures proposed for conducting an Annual Water Supply and Demand Assessment (Annual Assessment). The Annual Assessment is a determination of the near-term outlook for supplies and demands and how a perceived shortage may relate to WSCP response actions. This determination is based on information available to United at the time of the analysis. Starting in 2022, the Annual Assessment will be due on or before July 1 of each year.

United staff will draft and prepare the Annual Assessment per DWR guidelines. The Annual Assessment will use key data inputs from FCGMA and OH customers to determine available water supply and demand for the reporting period. The Annual Assessment will be presented to the District Board annually and the final Annual Assessment will be submitted to DWR by the reporting deadline of July 1. The District will determine if a supply shortage exists and may declare the appropriate shortage, as described in the Section titled "Six Standard Water Shortage Stages."

## 8.3 Six Standard Water Shortage Stages

Water Code Section 10632 (a)(3)(B) authorizes Suppliers to continue using their own water shortage levels that may have been included in past WSCPs. United follows, and is dependent upon, the actions taken by the FCGMA. Table 8-1 presents a crosswalk between the FCGMA imposed stages and the six standard stages.

Table 8-1: Water Shortage Contingency Plan Levels			
Shortage Level	Percent Shortage Range	Water Supply Condition	
1	Up to 10%	Up to 10% reduction in groundwater allocation imposed by the FCGMA	
2	Up to 20%	Up to 20% reduction in groundwater allocation imposed by the FCGMA	
3	Up to 30%	Up to 30% reduction in groundwater allocation imposed by the FCGMA	
4	Up to 40%	Up to 40% reduction in groundwater allocation imposed by the FCGMA	
5	Up to 50%	Up to 50% reduction in groundwater allocation imposed by the FCGMA	
6	>50%	Greater than 50% reduction in groundwater allocation imposed by the FCGMA	

## 8.4 Shortage Response Actions

The following section specifies the types of shortage response actions that may be undertaken before and during a shortage declaration. The actions will align with FCGMA allocation ordinances and emergency agreements and the WSCPs prepared by United's retail suppliers, the City of Oxnard and Port Hueneme Water Agency. Table 8-2 below provides a summary of the shortage stage and the suite of response actions United may take.

Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.	How much is this going to reduce the shortage gap? Include volume units used.	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement? Drop Down List
Add additio	onal rows as needed			
1-6	Expand Public Information Campaign	up to 20 percent		No
1-6	Other	0 to >50 percent	In accordance with the OH Users agreement and United's Board Policy for the OH System, United will coordinate with FCGMA and the OH Users to reduce allocations imposed by FCGMA to users.	No <sup>1</sup>

#### NOTES:

Penalties for water delivered above allocation is subject to penalties imposed by FCGMA.
 Following any allocation reduction imposed by FCGMA, OH System allocation limits would be adjusted accordingly.

## 8.5 Monitoring and Reporting

Monitoring and reporting key water use metrics is fundamental to water supply planning and management. Monitoring is also essential to ensure that the response actions are achieving their intended water use reduction purposes, or if improvements or new actions need to be considered. United will monitor and report on implementation of its WSCP.

On a monthly basis, United staff generate a technical report detailing the forebay available storage levels. This data is used to measure the effectiveness of any water shortage contingency stage that may be implemented. As stages of water shortage are declared by FCGMA, the District will follow implementation of those stages and continue to monitor water demand levels. United's Board reserves its right to undertake future actions in support of water conservation as authorized by law, including but not limited to declaration of a water shortage emergency, the filing of judicial actions concerning the ownership or use of water within the service area, and the enactment of ordinances for the operation of OH facilities.

## 8.6 Plan Adoption, Submittal, and Availability

The United WSCP was developed and is included in this UWMP and shall be made available to its purveyors and any city or county within which it provides water supplies no later than 30 days after adoption. Below is a description of how the WSCP will be adopted, submitted, implemented, and amended. The information provided is similar to the UWMP adoption, submittal and implementation process provided in Chapter 10. The WSCP may be periodically amended independently of the UWMP, as needed (see section 8.9 for detail).

To adopt this WSCP or amend, the following actions will be completed:

- Notice of public hearing notifying the cities, counties, and the general public 60 day prior. The public hearing must be noticed in a local newspaper for two successive weeks (14 calendar days), at least two times, with at least five days between publication dates, as prescribed in Government Code section 6066. This notice must include time and place of hearing, as well as the location where the plan is available for public inspection
- A public meeting was held prior to the adoption of the United's OH System WSCP. A public hearing was held at United's Board Room located at 1701 N. Lombard Street, Oxnard CA 93030 on May 12, 2021 to receive public comments. The public meeting provided a platform for cities, counties, and members of the public to comment on the WSCP prior to the adoption. Notice of the public hearing was given to cities and counties within which water is supplied and to the general public. Copies of all public notices, as well as the agenda for the hearing, will be included in Appendix A
- The WSCP will be submitted to DWR for review and available for the public on United's website: <a href="https://www.unitedwater.org/">https://www.unitedwater.org/</a>

# **Chapter 9: Demand Management Measures**

This section describes United's Demand Management Measures.

## 9.1 Demand Management Measures for Wholesale Suppliers

As a wholesale agency, United is required to describe four demand management measures: 1) metering, 2) public education and outreach, 3) water conservation program coordination and staffing support, and 4) other demand management measures. As a wholesale supplier, United is also required to discuss their asset management program and supplier assistance programs.

### 9.1.1 Metering

United's OH System and groundwater wells are fully metered, as well as the discharge pipeline from the treatment facility. Meters are changed out as they age as part of United's maintenance program. A regular calibration program is in place to ensure meters are operating within acceptable ranges of accuracy for the specific type of meter.

### 9.1.2 Public Education and Outreach

United actively participates in regional public education and outreach programs, including an annual water symposium, tours of regional water facilities, and presentations to interested stakeholders. The budget for fiscal year 2021-2022 and beyond will include specific line items for public outreach, and United intends to increase its efforts in this area.

United does not have a structured outreach program at this time. United will assist its retail agencies upon request by distributing water conservation materials for programs offered by the retail suppliers.

## 9.1.3 Water Conservation Program Coordination and Staffing Support

United does not employ a full- or part-time Water Conservation Coordinator. Instead, the duties are shared among several staff members including planners, engineers, and the policy analyst. Tours are provided by the Operations Division staff as they are the most knowledgeable about the facilities. United's largest purveyors employ conservation staff.

United does have a water use efficiency page on their website and provides educational materials to those who request information. Website here: https://www.unitedwater.org/water-use-efficiency/

### 9.1.4 Other Demand Management Measures

There are not any additional demand management measures to report for United.

## 9.1.5 Asset Management

United's existing operations and maintenance activities for the OH System include regular replacement of anodes, a valve exercise program, replacement of blind flanges, and meter change-outs. United also has a well replacement program. Every year, Southern California Edison performs efficiency tests on the well pumps and poor performing pumps are repaired or replaced. United has invested toward a geographic information system based computerized maintenance management system (CMMS) and expects to have this updated asset management system implemented by 2022.

## 9.1.6 Wholesale Supplier Assistance Programs

United has relied on its retailers to implement their conservation programs and will provide assistance when requested.

## 9.2 **Demand Management Measures for Retail Suppliers**

This section is for retail suppliers and does not apply to United.

## 9.3 Planned Implementation to Achieve Water Use Targets

United has included budget line items for their meter replacement program of approximately \$10,000 annually. As a wholesale supplier, United does not actively implement a water conservation program, but is supportive and cooperative of the efforts of its retail agencies.

### 9.4 Water Use Objectives

These objectives will not be developed until 2023, but the first report will require information on what DMMs Suppliers will implement to meet their objectives. The District is encouraged to consider aligning conservation management actions and the changing urban use patterns in order to consider these future obligations. Including this information in the 2020 UWMP will help Suppliers prepare for the future requirements.

# **Chapter 10:** Plan Adoption, Submittal, and Implementation

Since 2015, the public process for completing the UWMP has not been revised. However, the Water Shortage Contingency Plan is a new component of the 2020 UWMP that can be amended separately from the UWMP (see Chapter 8). The WSCP will be adopted with the UWMP, but as a standalone plan.

### 10.1 Inclusion of all 2020 Data

All reported supply, demand and planning data for the year 2020 is based on a complete set of data record for the 2020 calendar year.

## 10.2 Notice of Public Hearing

A public meeting will be held prior to the adoption of the United's OH System UWMP. A public hearing is scheduled to be held at United's Board Room located at 1701 N. Lombard Street, Oxnard CA 93030 on May 12, 2021 to receive public comments. The public meeting will provide a platform for cities, counties, and members of the public to comment on the UWMP or WSCP prior to their adoption. Notice of the public hearing was given to cities and counties within which water is supplied and to the general public. Copies of all public notices, as well as the agenda for the hearing, will be included in Appendix A.

### 10.2.1 Notification to Cities and Counties

Table 10-1 provides a summary of cities and counties that were provided with both the 60-Day Notice and Notice of Public Hearing by mail and email.

Submittal Table 10-1 Wholesale: Notification to Cities and Counties (select one)				
Supplier has notified more than 10 counties in accordance with Water Sections 10621 (b) and 10642.  Completion of the table below is required. Provide a separate list cities and counties that were not				
	Provide the page or location of this list in the UWMP.			
<b>▽</b>	Supplier has notified 10 or fewer cities or counties.  Complete the table below.			
City Name	60 Day Notice	Notice of Public Hearing		
Add additional rows as needed				
City of Oxnard	Yes	Yes		
City of Port Hueneme – Public Works	Yes	Yes		
City of Ventura (Ventura Water)	Yes	Yes		
City of Santa Paula	Yes	Yes		
City of Fillmore	Yes	Yes		
City of Camarillo	Yes	Yes		
County Name  Drop Down List	60 Day Notice	Notice of Public Hearing		
Add additional rows as needed				
County of Ventura - Resource Management Agency	Yes	Yes		
Fox Canyon Groundwater Management Agency/County of Ventura	Yes	Yes		
NOTES:				

## 10.2.2 Notice to the Public

Prior to holding the public hearing for this UWMP and WSCP, two Notices of Public Hearing were published in the local newspaper, with at least five intervening days between each notice. A third Notice

of Public Hearing was made within two weeks of the public hearing date. Copies and certification of the public notices are included in Appendix B.

## 10.3 Public Hearing and Adoption

A public meeting was held at United's Board Room located at 1701 N. Lombard Street, Oxnard CA 93030 on May 12, 2021 to receive public comments.

The 2020 UWMP was adopted on June 9, 2021 during a regularly scheduled board meeting. A copy of the meeting agenda and Board Adoption Resolution for this UWMP and WSCP is included in Appendix C.

Public comments and a general list of changes between the Public Draft and Final Draft can be found in Appendix G.

### 10.4 Plan Submittal

## 10.4.1 Submitting a UWMP and Water Shortage Contingency Plan to DWR

2020 UWMPs must be submitted to DWR within 30 days of adoption and by July 1, 2021. Upon completion of the Plan review, DWR will issue a letter to the Supplier with the results of the review.

#### 10.4.2 Electronic Data Submittal

Suppliers must submit the UWMP, including the WSCP, and associated data and other information electronically. For the submittal table and data, DWR developed an online submittal tool (i.e., WUE Data Portal) for data and planning documents for the 2015 UWMPs. This tool will undergo updates for submitting the 2020 UWMPs. The tool will accept complete UWMPs and tabular data from all the data tables. The WUE data online submittal tool (i.e., WUE Data Portal) is available online at: https://wuedata.water.ca.gov/

The availability of the WUE Data Portal for 2020 UWMP submittal tables will be announced to the Guidebook Working Group, other DWR Water Use Efficiency Workgroups, DWR's UWMP list serve, the Water Plan eNews, and posted on the DWR Urban Water Management webpage at: <a href="https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency">https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency</a>

### 10.4.3 Submitting a UWMP, including WSCP, to the California State Library

No later than 30 days after adoption, the Supplier shall submit a CD or hardcopy of the adopted 2020 UWMP, including the adopted WSCP, to the California State Library at:

California State Library
Government Publications Section
Attention: Coordinator, Urban Water Management Plans
P.O. Box 942837 Sacramento, CA 94237-0001.

## 10.4.4 Submitting a UWMP to Cities and Counties

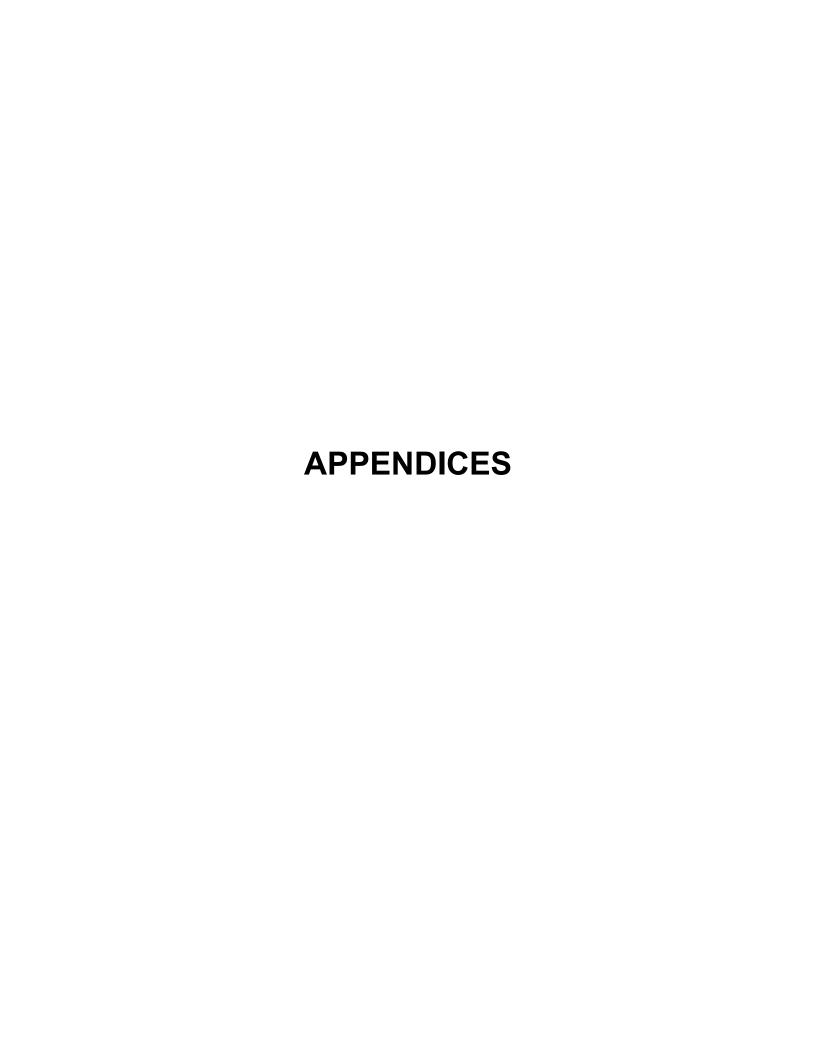
No later than 30 days after adoption, the Supplier shall submit a copy of the adopted 2020 UWMP, including the WSCP, to any city or county to which the Supplier provides water. This copy may be in an electronic format. This will also satisfy Water Code Section 10635(b).

### 10.5 Public Availability

Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours. The adopted 2020 UWMP and WSCP for the OH system will be made publicly available on United's website at <a href="https://www.unitedwater.org/key-documents/#water-supply">https://www.unitedwater.org/key-documents/#water-supply</a>.

## 10.6 Amending an Adopted UWMP

If a Supplier amends an adopted UWMP and/or WSCP, each of the steps for notification, public hearing, adoption, and submittal must also be followed for the amended plan.



Appendix A Notification Letters

June 8, 2021

# **Appendix A Notification Letters**



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Calleguas Municipal Water District Anthony Goff 2100 E. Olsen Road Thousand Oaks, CA 91360-6800

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

## Dear Anthony Goff:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

UWCD has hired Stantec Consulting Services Inc. (Stantec) to update the 2015 UWMP and review other applicable documents in order to prepare the 2020 UWMP. You may be contacted by Stantec for information related to this effort. UWCD greatly appreciates your active participation in the update process.

The public draft of the 2020 UWMP is expected to be available in March 2021. The draft 2020 UWMP will be posted on UWCD's web site (<a href="www.unitedwater.org">www.unitedwater.org</a>) and available for public comments for at least 60 days. You will be notified when the draft 2020 UWMP is complete. A public hearing will be scheduled to receive public comments, and discuss and consider adoption of the 2020 UWMP. All interested parties are invited to attend.

If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <u>zhanson@unitedwater.org</u>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Camrosa Water District Ian Prichard 7385 Santa Rosa Road Camarillo, CA 93012

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Ian Prichard:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

UWCD has hired Stantec Consulting Services Inc. (Stantec) to update the 2015 UWMP and review other applicable documents in order to prepare the 2020 UWMP. You may be contacted by Stantec for information related to this effort. UWCD greatly appreciates your active participation in the update process.

The public draft of the 2020 UWMP is expected to be available in March 2021. The draft 2020 UWMP will be posted on UWCD's web site (<a href="www.unitedwater.org">www.unitedwater.org</a>) and available for public comments for at least 60 days. You will be notified when the draft 2020 UWMP is complete. A public hearing will be scheduled to receive public comments, and discuss and consider adoption of the 2020 UWMP. All interested parties are invited to attend.

If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <a href="mailto:zhanson@unitedwater.org">zhanson@unitedwater.org</a>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Casitas Municipal Water District Kelley Dyer 1055 Ventura Avenue Oak View, CA 93022

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

## Dear Kelley Dyer:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

UWCD has hired Stantec Consulting Services Inc. (Stantec) to update the 2015 UWMP and review other applicable documents in order to prepare the 2020 UWMP. You may be contacted by Stantec for information related to this effort. UWCD greatly appreciates your active participation in the update process.

The public draft of the 2020 UWMP is expected to be available in March 2021. The draft 2020 UWMP will be posted on UWCD's web site (<a href="www.unitedwater.org">www.unitedwater.org</a>) and available for public comments for at least 60 days. You will be notified when the draft 2020 UWMP is complete. A public hearing will be scheduled to receive public comments, and discuss and consider adoption of the 2020 UWMP. All interested parties are invited to attend.

If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <a href="mailto:zhanson@unitedwater.org">zhanson@unitedwater.org</a>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

City of Camarillo Lucie Munoz-McGovern 601 Carmen Drive Camarillo, CA 93010

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Lucie Munoz-McGovern:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

UWCD has hired Stantec Consulting Services Inc. (Stantec) to update the 2015 UWMP and review other applicable documents in order to prepare the 2020 UWMP. You may be contacted by Stantec for information related to this effort. UWCD greatly appreciates your active participation in the update process.

The public draft of the 2020 UWMP is expected to be available in March 2021. The draft 2020 UWMP will be posted on UWCD's web site (<a href="www.unitedwater.org">www.unitedwater.org</a>) and available for public comments for at least 60 days. You will be notified when the draft 2020 UWMP is complete. A public hearing will be scheduled to receive public comments, and discuss and consider adoption of the 2020 UWMP. All interested parties are invited to attend.

If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <a href="mailto:zhanson@unitedwater.org">zhanson@unitedwater.org</a>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

City of Fillmore David Smallwood 250 Central Avenue Fillmore, CA 93015

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear David Smallwood:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

UWCD has hired Stantec Consulting Services Inc. (Stantec) to update the 2015 UWMP and review other applicable documents in order to prepare the 2020 UWMP. You may be contacted by Stantec for information related to this effort. UWCD greatly appreciates your active participation in the update process.

The public draft of the 2020 UWMP is expected to be available in March 2021. The draft 2020 UWMP will be posted on UWCD's web site (<a href="www.unitedwater.org">www.unitedwater.org</a>) and available for public comments for at least 60 days. You will be notified when the draft 2020 UWMP is complete. A public hearing will be scheduled to receive public comments, and discuss and consider adoption of the 2020 UWMP. All interested parties are invited to attend.

If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@unitedwater.org.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

City of Oxnard Rosemarie Gaglione 305 West Third Street – Third Floor Oxnard, CA 93030

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

## Dear Rosemarie Gaglione:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

UWCD has hired Stantec Consulting Services Inc. (Stantec) to update the 2015 UWMP and review other applicable documents in order to prepare the 2020 UWMP. You may be contacted by Stantec for information related to this effort. UWCD greatly appreciates your active participation in the update process.

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If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <u>zhanson@unitedwater.org</u>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

City of Port Hueneme Public Works Don Villafana 250 North Ventura Road Port Hueneme, CA 93041

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Don Villafana:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

City of Santa Paula Clete Saunier 866 E. Main Street Santa Paula, CA 93060

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Clete Saunier:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <a href="mailto:zhanson@unitedwater.org">zhanson@unitedwater.org</a>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Cloverdale Mutual Robert Eranio PO Box 6442 Oxnard, CA 93030

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Robert Eranio:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or <a href="mailto:zhanson@unitedwater.org">zhanson@unitedwater.org</a>.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Cypress Mutual Water PO Box 6034 Oxnard, CA 93031-6034

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

## Cypress Mutual Water:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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If you have any questions, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@unitedwater.org.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer

Tel: (805)525-4431



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Dempsey Road Mutual Water 2265 Samuel Avenue Oxnard, CA 93033-6216

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

## Dempsey Road Mutual Water:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer

Tel: (805)525-4431



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

EH Land Company Arnold Solis PO Box 5770 Oxnard, CA 93031-6034

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Arnold Solis:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Naval Base Ventura County Nathan Jacobsen

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

#### Dear Nathan Jacobsen:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Port Hueneme Water Agency David Birch 250 North Ventura Road Port Hueneme, CA 93041

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear David Birch:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Rio School District Charles Fichtner 1800 Solar Drive 3<sup>rd</sup> Floor Oxnard, CA 93030

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Charles Fichtner:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Saviers Road Mutual Water Rosalinda Romo 4810 Bradfield Place Oxnard, CA 93033

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Rosalinda Romo:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

SCV Water Dirk Marks 26521 Summit Circle Santa Clarita, CA 91350-3049

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

### Dear Dirk Marks:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Ventura Water Susan Rungren 336 Sanjon Road Ventura, CA 93002

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

## Dear Susan Rungren:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Vineyard Avenue Acres Mutual Robert Eranio PO Box 6293 Oxnard, CA 93031

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

#### Dear Robert Eranio:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

December 3, 2020

Vineyard Avenue Estates Pete Munoz PO Box 5065 Oxnard, CA 93030

Subject: The United Water Conservation District 2020

Urban Water Management Plan Update for the Oxnard-Hueneme Pipeline System

#### Dear Pete Munoz:

United Water Conservation District (UWCD) is required to update its Urban Water Management Plan (UWMP) for the Oxnard-Hueneme Pipeline System every five years in accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 to 10656 and 10608). The UWCD 2015 UWMP was prepared by MNS Engineers Consulting and adopted by the UWCD Board of Directors on June 8, 2016.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Calleguas Municipal Water District Anthony Goff 2100 E. Olsen Road Thousand Oaks, CA 91360-6800

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Anthony Goff:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

Pursuant to the California Water Code Section 10642, the Board of Directors of UWCD will conduct a Public Hearing to receive public comments prior to adopting the updated 2020 UWMP and WSCP for UWCD's OH System. The Public Hearing for the UWMP and WSCP is scheduled to take place during UWCD's Board Meeting on May 12, 2021, located in UWCD's Board Room at 1701 N. Lombard Street, Oxnard CA 93030. The Public Hearing will take place during the second open session, which is scheduled to begin at 1:00 P.M. The Public Hearing will also be accessible virtually, via WebEx, the link for which will be available with the normal posting of the Board Agenda at <a href="https://www.unitedwater.org/governance/#board-documents">https://www.unitedwater.org/governance/#board-documents</a> on May 6, 2021. Following the Public Hearing, an adoption hearing will take place on June 9, 2021 to adopt the Final 2020 UWMP and Final 2020 WSCP.

For questions or comments concerning the Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@unitedwater.org.

Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Camrosa Water District Ian Prichard 7385 Santa Rosa Road Camarillo, CA 93012

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear Ian Prichard:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Casitas Municipal Water District Kelley Dyer 1055 Ventura Avenue Oak View, CA 93022

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Kelley Dyer:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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For questions or comments concerning the Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@unitedwater.org.

Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

City of Camarillo Lucie Munoz-McGovern 601 Carmen Drive Camarillo, CA 93010

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Lucie Munoz-McGovern:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

Pursuant to the California Water Code Section 10642, the Board of Directors of UWCD will conduct a Public Hearing to receive public comments prior to adopting the updated 2020 UWMP and WSCP for UWCD's OH System. The Public Hearing for the UWMP and WSCP is scheduled to take place during UWCD's Board Meeting on May 12, 2021, located in UWCD's Board Room at 1701 N. Lombard Street, Oxnard CA 93030. The Public Hearing will take place during the second open session, which is scheduled to begin at 1:00 P.M. The Public Hearing will also be accessible virtually, via WebEx, the link for which will be available with the normal posting of the Board Agenda at <a href="https://www.unitedwater.org/governance/#board-documents">https://www.unitedwater.org/governance/#board-documents</a> on May 6, 2021. Following the Public Hearing, an adoption hearing will take place on June 9, 2021 to adopt the Final 2020 UWMP and Final 2020 WSCP.

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

City of Fillmore David Smallwood 250 Central Avenue Fillmore, CA 93015

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear David Smallwood:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

City of Oxnard Nancy Broschart 305 West Third Street – Third Floor Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Nancy Broschart:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

City of Port Hueneme Public Works Don Villafana 250 N. Ventura Road Port Hueneme, CA 93041

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear Don Villafana:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

City of Santa Paula Clete Saunier 866 E. Main Street Santa Paula, CA 93060

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear Clete Saunier:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Cloverdale Mutual Robert Eranio PO Box 6442 Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Robert Eranio:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

County of Ventura Resource Management Agency Tina Figurski 800 S. Victoria Avenue #1700 Ventura, CA 93009-1700

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Tina Figurski:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Cypress Mutual Water PO Box 6034 Oxnard, CA 93031-6034

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Cypress Mutual Water:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Dempsey Road Mutual Water 2265 Samuel Avenue Oxnard, CA 93033-6216

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

Dear Dempsey Road Mutual Water:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

EH Land Company Arnold Solis PO Box 5770 Oxnard, CA 93031-6034

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

# Dear Arnold Solis:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Fox Canyon Groundwater Management Agency Kim Loeb 800 South Victoria Avenue Ventura, CA 93009-1610

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear Kim Loeb:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Mound Basin Groundwater Sustainability Agency Bryan Bondy PO Box 3544 Ventura, CA 39006-3544

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Bryan Bondy:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Naval Base Ventura County Nathan Jacobsen

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Nathan Jacobsen:

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Pleasant Valley County Water District Jared Bouchard 154 S. Las Posas Road Camarillo, CA 93010

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Jared Bouchard:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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For questions or comments concerning the Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@unitedwater.org.

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Port Hueneme Water Agency David Birch 250 N. Ventura Road Port Hueneme, CA 93041

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear David Birch:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Rio School District Charles Fichtner 1800 Solar Dr. 3<sup>rd</sup> Floor Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear Charles Fichtner:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Saviers Road Mutual Water Rosalinda Romo 4810 Bradfield Place Oxnard, CA 93033

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Rosalinda Romo:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

SCV Water Dirk Marks 26521 Summit Circle Santa Clarita, CA 91350-3049

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

### Dear Dirk Marks:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Ventura Local Agency Formation Commission Andrea Ozdy 801 S. Victoria Avenue Suite 301 Ventura, CA 93003

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Andrea Ozdy:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Tel: (805)525-4431

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Ventura Water Susan Rungren 336 Sanjon Road Ventura, CA 93002

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

## Dear Susan Rungren:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Vineyard Avenue Acres Mutual Robert Eranio PO Box 6293 Oxnard, CA 93031

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Robert Eranio:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: <a href="https://www.unitedwater.org/key-documents/#water-supply">https://www.unitedwater.org/key-documents/#water-supply</a>

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

March 12, 2021

Vineyard Avenue Estates Pete Munoz PO Box 5065 Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard-

Hueneme Pipeline System

#### Dear Pete Munoz:

United Water Conservation District (UWCD) is updating its Oxnard-Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code. Additionally, California Water Code now requires the Water Shortage Contingency Plan (WSCP) to be its own document and not a section within the UWMP that can be updated independently of the 5-year UWMP cycle. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at: https://www.unitedwater.org/key-documents/#water-supply

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Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Calleguas Municipal Water District Anthony Goff 2100 E. Olsen Road Thousand Oaks, CA 91360-6800

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

Dear Anthony Goff:

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Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson
United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Sincerely,

Maryam Bral, Ph.D., P.E. Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Camrosa Water District Ian Prichard 7385 Santa Rosa Road Camarillo, CA 93012

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

#### Dear Ian Prichard:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

cc: Zachary Hanson, UWCD Autumn Glaeser, Stantec Maryam Bral, Ph.D., P.E. Chief Engineer

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Casitas Municipal Water District Kelley Dyer 1055 Ventura Avenue Oak View, CA 93022

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Kelley Dyer:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Sincerely,

Tel: (805)525-4431

1701 Lombard Street, Suite 200, Oxnard CA 93030



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

City of Camarillo Lucie Munoz-McGovern 601 Carmen Drive Camarillo, CA 93010

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

Dear Lucie Munoz-McGovern:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

cc: Zachary Hanson, UWCD

Autumn Glaeser, Stantec

Sincerely,

Tel: (805)525-4431

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

City of Fillmore David Smallwood 250 Central Avenue Fillmore, CA 93015

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

### Dear David Smallwood:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson
United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

cc: Zachary Hanson, UWCD Autumn Glaeser, Stantec Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

City of Oxnard Nancy Broschart 305 West Third Street – Third Floor Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

Dear Nancy Broschart:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

City of Port Hueneme Public Works Don Villafana 250 N. Ventura Road Port Hueneme, CA 93041

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

### Dear Don Villafana:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

City of Santa Paula Clete Saunier 866 E. Main Street Santa Paula, CA 93060

Notice of Public Hearing for United Water Conservation District's 2020 Urban Water Subject:

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

#### Dear Clete Saunier:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Sincerely,

Tel: (805)525-4431

1701 Lombard Street, Suite 200, Oxnard CA 93030



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Cloverdale Mutual Robert Eranio PO Box 6442 Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Robert Eranio:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E.

Chief Engineer

Sincerely,

1701 Lombard Street, Suite 200, Oxnard CA 93030

Tel: (805)525-4431 <u>www.unitedwater.org</u>



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Cypress Mutual Water PO Box 6034 Oxnard, CA 93031-6034

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

Dear Cypress Mutual Water:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

cc: Zachary Hanson, UWCD Autumn Glaeser, Stantec Maryam Bral, Ph.D., P.E.

Chief Engineer

Tel: (805)525-4431

Sincerely,



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Dempsey Road Mutual Water 2265 Samuel Avenue Oxnard, CA 93033-6216

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

Dear Dempsey Road Mutual Water:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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United Water Conservation District
1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

cc: Zachary Hanson, UWCD Autumn Glaeser, Stantec Maryam Bral, Ph.D., P.E.

Chief Engineer

Tel: (805)525-4431

Sincerely,



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

**EH Land Company Arnold Solis** PO Box 5770 Oxnard, CA 93031-6034

Notice of Public Hearing for United Water Conservation District's 2020 Urban Water Subject:

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Arnold Solis:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Sincerely,

Maryam Bral, Ph.D., P.E.

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Fillmore and Piru Basins Groundwater Sustainability Agency Anthony Emmert PO Box 1110 Fillmore, CA 93016

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Anthony Emmert:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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cc: Zachary Hanson, UWCD Autumn Glaeser, Stantec Maryam Bral, Ph.D., P.E. Chief Engineer

Sincerely,

Tel: (805)525-4431

1701 Lombard Street, Suite 200, Oxnard CA 93030



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Naval Base Ventura County Nathan Jacobsen

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

### Dear Nathan Jacobsen:

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1701 N. Lombard Street, Suite 200
Oxnard, CA 93030

Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E.

Chief Engineer

Tel: (805)525-4431

Sincerely,



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Pleasant Valley County Water District Jared Bouchard 154 S. Las Posas Road Camarillo, CA 93010

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

#### Dear Jared Bouchard:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Tel: (805)525-4431

Sincerely,

1701 Lombard Street, Suite 200, Oxnard CA 93030

www.unitedwater.org



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Port Hueneme Water Agency David Birch 250 N. Ventura Road Port Hueneme, CA 93041

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

#### Dear David Birch:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

1701 Lombard Street, Suite 200, Oxnard CA 93030

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Sincerely,

Tel: (805)525-4431



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Rio School District Charles Fichtner 1800 Solar Dr. 3<sup>rd</sup> Floor Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Charles Fichtner:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Sincerely,

Tel: (805)525-4431



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Saviers Road Mutual Water Rosalinda Romo 4810 Bradfield Place Oxnard, CA 93033

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Rosalinda Romo:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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For questions or comments concerning the Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3504 or <u>zhanson@unitedwater.org</u>. Written comments may also be sent to the contact below, and all written comments must be received by 5 P.M. on May 11, 2021:

Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson United Water Conservation District 1701 N. Lombard Street, Suite 200 Oxnard, CA 93030

cc: Zachary Hanson, UWCD

Autumn Glaeser, Stantec

1701 Lombard Street, Suite 200, Oxnard CA 93030

Sincerely,

Maryam Bral, Ph.D., P.E. Chief Engineer

Chief Engineer



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

SCV Water Dirk Marks 26521 Summit Circle Santa Clarita, CA 91350-3049

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

#### Dear Dirk Marks:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson United Water Conservation District 1701 N. Lombard Street, Suite 200 Oxnard, CA 93030

cc: Zachary Hanson, UWCD Autumn Glaeser, Stantec M152

Maryam Bral, Ph.D., P.E.

Chief Engineer

Sincerely,



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Ventura Water Susan Rungren 336 Sanjon Road Ventura, CA 93002

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Susan Rungren:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson United Water Conservation District 1701 N. Lombard Street, Suite 200 Oxnard, CA 93030

Zachary Hanson, UWCD Autumn Glaeser, Stantec

1701 Lombard Street, Suite 200, Oxnard CA 93030

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Tel: (805)525-4431

Sincerely,

www.unitedwater.org



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Vineyard Avenue Acres Mutual Robert Eranio PO Box 6293 Oxnard, CA 93031

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Robert Eranio:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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> Zachary Hanson, UWCD Autumn Glaeser, Stantec

cc:

Maryam Bral, Ph.D., P.E. Chief Engineer

Sincerely,

Tel: (805)525-4431



General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

April 28, 2021

Vineyard Avenue Estates Pete Munoz PO Box 5065 Oxnard, CA 93030

Subject: Notice of Public Hearing for United Water Conservation District's 2020 Urban Water

Management Plan Update and Water Shortage Contingency Plan for the Oxnard

Hueneme Pipeline System

## Dear Pete Munoz:

United Water Conservation District (UWCD) is updating its Oxnard Hueneme Pipeline (OH) System Urban Water Management Plan (UWMP) for 2020 and invites you to participate in the process. The Draft 2020 UWMP and Draft 2020 WSCP for UWCD's OH System are available for review by visiting UWCD's website at:

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Zachary Hanson, UWCD

1701 Lombard Street, Suite 200, Oxnard CA 93030

cc:

Autumn Glaeser, Stantec

Maryam Bral, Ph.D., P.E.

Chief Engineer

Sincerely,

Tel: (805)525-4431



# REGULAR BOARD MEETING

Board of Directors
Michael W. Mobley, President
Bruce E. Dandy, Vice President
Sheldon G. Berger, Secretary/Treasurer
Mohammed A. Hasan
Lynn E. Maulhardt
Edwin T. McFadden III
Daniel C. Naumann

General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

# Wednesday, May 12, 2021, 12:00 P.M. Board Room, UWCD Headquarters 1701 N. Lombard Street, Oxnard CA 93030

Meeting attendees should be aware that the meetings of the Board are, as required by law, open to the public and the District has very limited powers to regulate who attends Board meetings. Therefore, attendees must exercise their own judgement with respect to protecting themselves from exposure to COVID-19, as the District cannot ensure that all attendees at public meetings will be free from COVID-19.

In addition to its public Regular Board of Directors meeting, people may choose to participate virtually using the Webex video conferencing application.

To participate in the Board of Directors meeting via Webex, please access:

https://unitedwaterconservationdistrict.my.webex.com/unitedwaterconservationdistrict.my

/j.php?MTID=m24ae5db158b3b25f5fb45bb9ca5412ca

Meeting number: 126 404 6142 Password: Direct (347328 from phones)

Join by phone (audio only) +1-408-418-9388 (toll rates apply)

**Access code: 126 404 6142 Password:** Direct (347328)

## **BOARD MATTERS**

Normally, Action (Motion) Items will be considered and acted upon separately; Consent Items will be considered and acted upon collectively, although a Consent Item may be considered and acted upon separately; and Information Items will be considered separately without action.

The Board of Directors in its discretion may change the order of agenda items.

## 1. FIRST OPEN SESSION 12:00 P.M.

Items to be discussed in Executive (Closed) Session will be announced.

### 1.1 Public Comments

## **Information Item**

Members of the public may address the Board on any matter on the Closed Session agenda or on any non-agenda item within the jurisdiction of the Board. All comments are subject to a five-minute time limit. Virtual participants, please use "raise hand" option in "participants" menu.

## 1.2 EXECUTIVE (CLOSED) SESSION 12:05 P.M.

The Board will discuss matters outlined in the attached Executive (Closed) Session Agenda (Exhibit A).

## 2. SECOND OPEN SESSION AND CALL TO ORDER 1:00 P.M.

## 2.1 Pledge of Allegiance

Page 2

### 2.2 Public Comment

## **Information Item**

Members of the public may address the Board on any item on the Consent Calendar or on any non-agenda item within the jurisdiction of the Board. No action will be taken by the Board on any non-agenda item. All comments are subject to a five-minute time limit.

# 2.3 Approval of Agenda Motion

## 2.4 Oral Report Regarding Executive (Closed) Session

## **Information Item**

Presented by District Legal Counsel David D. Boyer.

### 2.5 Board Communication

## **Information Item**

Board members may present non-agenda information including, but not limited to, the following: 1) meetings, workshops, conferences and functions attended during the previous month on behalf of the District; 2) meetings, workshops, conferences and functions Directors plan to attend in the upcoming months; and 3) possible conflicts that Directors might have with respect to issues on the Agenda.

## 2.6 General Manager's Report

## **Information Item**

The General Manager will present information on his activities of possible interest to the Board and that may have consequence to the District.

# 2.7 <u>Resolution 2021-10</u> Consider Amending the General Manager's Total Compensation Package Including Any Step Increase, Performance Merit Pay, and Other Compensation

#### Motion

The Board will consider adopting <u>Resolution 2021-10</u>, approving an amendment to the General Manager's compensation package, including 1) a performance merit pay of seven and one half percent (7.5%) of his FY 2020-2021 salary and 2) a step increase to step 4 of the Tier One Management salary schedule, as well as 3) other compensation amendments, as deemed appropriate by the Board.

# 2.8 Scheduling AB 1825 Harassment Prevention and AB 1234 Ethics Training for Board Members

## Motion

The Board of Directors will consider whether 1) to participate in on-demand online instruction or live training, and, if live training is preferred, 2) select a date for the Special Board Meeting to facilitate this required training.

3. CONSENT CALENDAR: All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)

#### A. **Approval of Minutes**

## Motion

Approval of the Minutes for the Regular Board Meeting of April 14, 2021.

#### В. **Groundwater Basin Status Reports**

## **Information Item**

Receive and file Monthly Hydrologic Conditions Report for the District.

### C. **Monthly Investment Report (March 2021)**

## **Information Item**

The Board will receive and review the Districts' investment portfolio and cash position as of March 31, 2021.

#### D. Third Quarter FY 2020-21 Financial Report and Budget Amendments Motion

The Board will receive and review the FY 2020-21 Third Quarter Financial Report for the period of July 1, 2020 through March 31, 2021 and approve the proposed modifications to the FY 2020-21 Budget.

## 4. MOTION ITEMS (By Department)

#### **PUBLIC HEARING** 4.1

## Continuation of Annual Groundwater Hearing to Accept Comment on **Groundwater Conditions within the District**

In accordance with the District's principal act in the California Water Code, the Board annually conducts a public hearing to consider the conditions of groundwater resources within the District. An "Annual Investigation and Report of Groundwater Conditions" was submitted to the Secretary/Treasurer of the Board on March 30, 2021 and has been available for public review and comment. This Public Hearing was initially opened at the April 14, 2021 Board of Directors meeting and was continued to the regular May 2021 Board meeting and will again be continued to the June 2021 Board meeting.

At this meeting, staff will give a report on current groundwater conditions, and members of the public will be permitted to give testimony. At its June 9, 2021 meeting, the Board may choose to close the hearing and consider the establishment of zones and the levying of groundwater extraction charges in those zones.

## Public comment will be accepted at this time.

This hearing will be continued until Wednesday, June 9, 2021. No Board decisions will be made until the final hearing on June 9, 2021.

## **Administration Services** – Joseph Jereb

# 4.2 FY 2021-22 Proposed Budget Workshop Motion

Staff will present an overview and discuss with the Board issues concerning the <u>Proposed FY 2021-22 District Budget</u>. Pertinent information with respect to the budget will be discussed. The Board may provide guidance and direction on various budget issues and recommendations. However, the Board will not consider adoption of the District budget until its June 9, 2021 Regular Board Meeting. The overview will consist of:

- Introduction and review related to the development of the proposed budget, reserve needs, corresponding rates to be charged, the budget process and related issues.
- Review of Capital Improvement Plan and recommended funding for FY 2021-22.
- Additional information in connection with and in support of the proposed FY 2021-22 Budget and the District's groundwater extraction charges.
- Questions from the Board
- Public Comments/Questions
- Board direction to staff
- Next steps for completing the District budget for FY 2021-22

## **Engineering Department** – Dr. Maryam Bral

### 4.3 PUBLIC HEARING

For the Purpose of Receiving Public Comment and Discussion of the Proposed 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the Oxnard Hueneme Pipeline Motion

The Board will conduct a Public Hearing for the purpose of receiving public comment and discussion of the proposed 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the Oxnard Hueneme (OH) Pipeline System.

# 4.4 Resolution 2021-09 Approving CEQA Notice of Categorical Exemption Determination for the Emergency Power Supply for UWCD Drinking Water Treatment and Supply Facilities Project Motion

The Board will consider adopting Resolution 2021-09, approving the California Environmental Quality Act (CEQA) Notice of categorical exemption determination for the Emergency Power Supply for UWCD Drinking Water Treatment and Supply Facilities Project at the three (3) project locations and allowing staff to file a Notice of Exemption (NOE) with the Ventura County Clerk and Recorder's Office.

## 5. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)

## Administrative Services Department – Joseph Jereb and Josh Perez

## 5.1 Monthly Administrative Services Department Report – Joseph Jereb and Josh

### Perez

## **Information Item**

Staff report and presentation to the Board on Administration Department activities including issues associated with budget development, financial performance versus budget plan, financial accounting requirements and procedures, potential debt issuance and related financial services, status of District investments and reserves, updates on its capital improvement programs, human resources and safety, District property and facilities maintenance and administration, District records and reports, groundwater extraction statements administration, risk management and District liability insurance matters, management of District contracts, policy development, governance procedures, and supporting activities of Board and staff.

## **Engineering Department – Maryam Bral**

## 5.2 Monthly Engineering Department Report

## **Information Item**

Staff report and presentation to the Board on various water resources, planning efforts and department programs affecting the District, including, but not limited to design and construction; dam safety; FERC license compliance; Freeman Diversion; recycled water; pipeline operations and various engineering analysis.

## **Environmental Services Department – Linda Purpus**

## 5.3 Monthly Environmental Services Department Report

## **Information Item**

Staff report and presentation to the Board on environmental and regulatory issues of note to the District, including monitoring efforts, study plans and issues associated with the Endangered Species Act, including the Section 10 MSHCP process, future fish passage requirements, compliance with the District's FERC license/Biological Opinion, the Santa Felicia Dam, studies and operations in and near Piru Creek, and any interactions with Rancho Temescal and Rancho Camulos.

## **Operation and Maintenance Department** - Brian Collins

## 5.4 Monthly Operation and Maintenance Department Report

## **Information Item**

Summary report regarding the monthly operations and maintenance of District facilities including Santa Felicia Dam and hydroplant; the Piru Groundwater Recharge facility; the Freeman Diversion Dam; the Saticoy and El Rio Groundwater Recharge facilities; the Pleasant Valley and Pumping Trough Pipeline systems; and the Oxnard Hueneme Pipeline system. The report covers operating plans, the quantity and quality of water diverted and delivered, fish ladder status, major maintenance problems and repairs, status of O&M projects and safety and training issues.

## Park and Recreation Division - Clayton Strahan

## 5.5 Monthly Park and Recreation Department Report

## **Information Item**

Summary report regarding operations and items of note relative to the Lake Piru Recreation Area. Items may include, but are not limited to, camping and boating policies at the lake; operations and activities; financing and status of facility improvement projects; maintenance activities; security issues; and emergency response activities.

## Water Resources Department - Maryam Bral

## 5.6 Monthly Water Resources Department Report

## **Information Item**

Summary report regarding monthly Water Resources Department activities. Department activities include, but are not limited to, updates to the Ventura Regional Groundwater Flow Model; brackish water treatment feasibility study; upper Santa Clara River Chloride TMDL; hydrologic and well conditions statewide and locally; available Forebay storage; Ventura County well ordinance update; Fox Canyon GMA issues; City of Oxnard's recycled water program; potential water supply and recycled water projects, including use of United's terminal reservoirs; and user groups (including but not limited to Oxnard Plain and Pumping Trough Pipeline groups).

# 5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA) Information Item

Summary report regarding the monthly activities of the three local Groundwater Sustainability Agencies (Mound Basin GSA, Fillmore and Piru Basins GSA, and the Fox Canyon Groundwater Management Agency), for which the District serves as a member director, and the Santa Paula basin (adjudicated) Technical Advisory Committee (including formation of groundwater sustainability agencies in the District's basins, stakeholder and basin user groups, joint powers or governance agreements, development of water markets, and potential basin boundary changes). Staff may also report on state-wide issues related to the implementation of the Sustainable Groundwater Management Act of 2014.

### 6. BOARD OF DIRECTORS READING FILE

## 7. FUTURE AGENDA ITEMS

## 8. ADJOURNMENT

The Board will adjourn to the Regular Board Meeting scheduled for Wednesday, June 9, 2021 or call of the President.

All testimony given before the Board of Directors is recorded. Materials, which are non-exempt public records and are provided to the Board of Directors to be used in consideration of the above agenda items, including any documents provided subsequent to the publishing of this agenda, are available for inspection at the District's offices at 1701 N. Lombard Street, Suite 200, Oxnard CA 93030 during normal business hours.

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda materials in an alternative format, please contact the District Office at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District make riate arrangements.

Approved:

Assistant General Manager Actiony Emmert

**Posted: (date)** May 6, 2021

(time) 10:00a.m.

(attest) Kris Sofley

At: United Water Conservation District Headquarters, 1701 N. Lombard Street, Oxnard CA 93030

**Posted: (date)** May 6, 2021

(time) 10:30a.m.

(attest) Kris Sofley

At: www.unitedwater.org

# EXHIBIT A EXECUTIVE (CLOSED) SESSION AGENDA

#### 1. PERSONNEL MATTERS

**1.1 Public Employee Performance Evaluation** (Government Code 54957) Title: General Manager

#### 2. LITIGATION

2.1 Conference with Legal Counsel-Anticipated Litigation
Pursuant to Government Code Section 54956.9(d)(2), one (1) case.

## 2.2 Conference with Legal Counsel – Existing Litigation

Pursuant to Government Code Section 54956.9 (d)(1)

- A. <u>City of San Buenaventura v. United Water Conservation District, et al</u>, Santa Barbara County Superior Court Case No. VENCI00401714
- B. <u>City of San Buenaventura v. United Water Conservation District, et al</u>, Santa Barbara Superior Court Case No. 1414739 (consolidated for purposes of trial with case in subsection A.)

Note: 2.2 A and B consolidated in the California Supreme Court, 2<sup>nd</sup> Civil No. S226036, Review granted on June 24, 2015 of published decision of Division Six, Second District of the Court of Appeal of the State of California, 2d Civil No. B251810.

- C. <u>City of San Buenaventura v. United Water Conservation District, et al,</u> Santa Barbara County Superior Court Case No. 1467531
- D. Wishtoyo Foundation, et al v. United Water Conservation District, U.S. District Court for the Central District of California, Case No.2:16-cv-03869 GHK (PLAx)
- E. Josey Hollis Dorsey, a minor, through his guardian ad litem Ryan Dorsey; and The Estate of Naya Rivera, through its personal representative, Justin Stiegemeyer, v. County of Ventura, a California public entity; United Water Conservation District, a California public entity; and Parks and Recreation Management, d/b/a Parks Management Company, a California corporation; and Does 1-20, inclusive, Superior Court of the State of California for the County of Ventura Case No. 56-2020-00547077-CU-PO-VTA

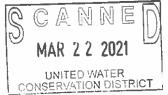
# 2020 URBAN WATER MANAGEMENT PLAN FOR UNITED WATER CONSERVATION DISTRICT

Appendix B Public Notification

June 8, 2021

# **Appendix B** Public Notification





## UNITED WATER CONSERV LEGALS 1701 LOMBARD ST

OXNARD, CA 93030-8232

State of California)

'n

County of Ventura)

I hereby certify that the Ventura County Star Newspaper has been adjudged a newspaper of general circulation by the Superior Court of California, County of Ventura within the provisions of the Government Code of the State of California, printed in the City of Camarillo, for circulation in the County of Ventura, State of California; that I am a clerk of the printer of said paper; that the annexed clipping is a true printed copy and publishing in said newspaper on the following dates to wit:

#### 03/12/2021, 03/19/2021

I certify under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct.

Dated this March 19, 2021; in Green Bay, Wisconsin, County of Brown

Legal Clerk

Publication Cost: \$472.82 Ad No: 0004635346 Customer No: 304053 PO #:

# of Affidavits1

## NOTICE OF PUBLIC HEARING

Pursuant to the California Water Code Section 10642, the Board of Directors of the United Conservation Water District (UWCD) will conduct a Public Hearing to receive public comments prior to adopting the updated 2020 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP) for UWCD's Oxnard-Hueneme Pipeline System.

The Public Hearing for the UWMP and WSCP is scheduled to take place during UWCD's Board Meeting on May 12, 2021, located in UWCD's Board Room at 1701 N. Lombard Street, Oxnard CA 93030. The Public Hearing will take place during the second open session, which is scheduled to begin at 1:00 P.M. The Public Hearing will also be accessible virtually, via WebEx, the link for which will be available with the normal posting of the Board Agenda at https://www.unitedwoter.org/governance/#board-documents on May 6, 2021. Following the Public Hearing, an adoption hearing will take place on June 9, 2021 to adopt the Final UWMP and WSCP.

The Draft 2020 UWMP and Draft 2020 WSCP for UWC-D's OH System are available for review by visiting UWCD's website at https:// www.unitedwater.org/key-d ocuments/#water-supply. For questions or comments concerning the Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@united water org Written com-Written comwater.org. ments can also be sent to: Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson United Water Conservation District 1701 N. Suite 200 Lombard Street, Oxnard, CA 93030 Pub: March 12, 19, 2021 Ad #4635346

## **SUDOKU**

Sudoku is a number-placing puzzle based on a 9x9 grid with several given numbers. The object is to place the numbers 1 to 9 in the empty squares so must each row, each column and each 33 box contains the same number only since. The difficulty low the Corcepts Sudoku increases from Monday to Sunday.

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## Public Notices

change in residence address or registered owner. A NEW FICTITIOUS BUSI-NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. The filing of this statement does not of itself authorize the use in this state of a fictitious business name in violation of the rights of another under Federal, State, or Common Low (See Section 1441) ET SEQ., B & P Code). Publish: March 19, 26, April 2, 9, 2021 Ad No. 4647213

FILE NO. 20210224-10002548-0 1/1 FSCTITIOUS BUSINESS NAME STATEMENT

STATEMENT
THE FOLLOWING
PERSON(S) IS (ARE) DOING BUSINESS AS:
Flying Bross Fireorms
Training
1927 Bornes St.
Simi Valley, Co 93063
County of Simi Valley
State of Incorporation/
Organization:
Full Name of Registrant:
Michael J Merriti

Full Name of Registrant:
Michael J Marritt
1927 Barnes St.
Simi Valley, Co 93063
This Business is conducted
by An Individual
The registrant commenced
to Iransact business under
the fictitious business name
or names listed above on
N/A
I declare that all intermediate.

declare that all informa-ion in this statement is true

and correct. (A registrant who declares information as true any material matter pursuant to Section 17913 of Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.) Print Name of Registrant: Michael J Merritt Is/Michael J Merritt Print name of Signor: Michael J Merritt Print name of Signor: Michael J Merritt THIS STATEMENT WAS FILED WITH THE COUNTY ON 02/24/2021 NOTICE - In accordance with subdivision (a) of Section 17920, a ficitifious name statement generally expires at the end of five years from the date on which it was filed in the office of the county clerk, except, as provided in subdivision section 17920 where it expires 40 days after any change in the facts set forth in the statement pursuant to section 17913 other than a change in residence address or registered owner. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. The filing of this statement does not of Itself authorize the use in this state of a fictitious business name in violation of the rights of another under Federal, State, or Common Law (See Section 1441) ET SEQ., B & PCade)

Publish: March 5, 12, 19, 26, 2021 AD#4625111 FILE NO. 20210303-10002935-0 1/1 FICTITIOUS BUSINESS NAME STATEMENT

THE FOLLOWING PERSON(S) IS (ARE) DO-ING BUSINESS AS:
Hydrology Plumbing
674 Owens River Dr.
Oxnard, CA 93036
County of Ventura
State of Incorporation/
Organization: N/A
Full Name of Registrant:
Inse Compatible Full Name of Registrant;
Jose Camarillo
674 Owens River Dr.
Oxnord, CA 93036
This Business is conducted
by An Individual
The registrant commenced

or names listed above on N/A

I declare that all information in this statement is true
and correct. (A registrant
who declares information as
true any material matter
pursuant to Section 17913 of
Business and Professions
Code that the registrant
knows to be false is guilty of
a misdemeanor punishable
by a fine not to exceed one
thousand dollars (\$1,000).)
Print Name:
Jose Camarilla
/s/Jose Camarilla
/s/

county clerk, except, as pro-vided in subdivision section 17920 where it expires 40 days after any change in the facts set farth in the statement pursuant to section 17913 other than a change in residence address.

## Public Notices

or registered owner. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. The filing of this statement does not of itself authorize the use in this state of a fictitious business name in violation of the rights of another under Federal, State, or Common Law (See Section 1441) ET SEQ., B & P Codel.
Publish: March 12, 19, 26, April 2, 2021. Ad No. 4637789

FILE NO.
20210308-10003069-0 1/1
FICTITIOUS
BUSINESS NAME
STATEMENT
THE FOLLOWING
PERSON(S) IS (ARE) DOING BUSINESS AS:
Elemental Vegan

ING BUSINESS AS:
Elemental Vegan
1457 Sequala Ave.
Simi Valley. CA 93063
County of Ventura
State of Incorporation/
Organization: N/A
Full Name of Registrant:
Linda Ann Snovak
1457 Sequain Ave.
Simi Valley. CA 93063
This Business is conducted
by An Individual
The registrant commenced
to Ironsact business under
the ficitious business name
or names listed above on
N/A

the fictitious business name or names listed above on Nactare that all information in this statement is true and correct. (A registrant who declares information as true any material matter auronal to Section 17913 of Business and Professions Code that the registrant knows to be false is guilty at a misdemeanor punishable by a fine not to exceed ane thousand adolars (\$1,000).) /s/ Linda Ann Snovak THIS STATEMENT WAS FILED WITH THE COUNTY ON 0308/2021 NOTICE - In accordance with subdivision (a) of Section 17920, a fictitious name statement generally expires at the end of five years from the date on which it was fitted in subdivision section 17920 where it expires 40 days after any change in the facts set forth in the statement generally expires the focts set forth in the statement generally expires 40 days after any change in the facts set forth in the statement generally expires 40 days after any change in the facts set forth in the statement generally expires 40 days after any change in the facts set forth in the statement generally expires 40 days after any change in the facts set forth in the statement generally expires 40 days after any change in the facts set forth in the statement generally expires 40 days after any change in the facts set forth in the statement of the statement does or registered owner. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. The filling of this statement does not of itself authorize the use in this state of a fictitious business name in violation of the regists of another under Federal, State, or Common Law (See Section 1441) ET SEQ., B & PCOde).

Publish: Mar 19, 26, Apr 2, 9, 2021. Ad No. 4648565

NOTICE OF PUBLIC HEARING - APRIL 19, 2021 STRATEGIC PLAN UPDATE FOR FY 2021-2022

The Ventura County Area Agency on Aging (VCAAA) will hold a public hearing on April 19, 2021 at 1 pm via ttps://zoom.us/j/97122124782
Io receive public comments
on the Strategic Plan
Update for 2021-2022. The
strategies and services have seem developed to address some of the more critical needs of Ventura County residents aged 60 and older, adults with disabilities, and residents uged as and outer, odults with disabilities, and caregivers during and after Covid-19. The Strategic Plan will be available on the Area Agency on Aging's website, http://wcoad.org on March 19, 201. The provision of all programs and services is contingent upon the availability of tederal and slate funds. Persons requiring special assistance to participate in the hearing per the Americans with Disabilities Act are asked to notify Jannette Jauregui, Public Information Officer, via email Jannette-Jauregui@ventuca.

email dannette. Jauregui Øventura.
org or by phone at (805)
477-7306, on or before 4:00
o.m. on April 9, 2021, to
make reasonable

p.m. on April 9, 2021, to make a reasonable accommodations. The public hearing will be held via zoom as the offices of the VCAAA are closed to the public at this time due to Covid-19. The public may also submit written comments vio fax to (805) 477-3312, or via e-mail to Jannetle-Jauregui@ventura. org. Written comments must be received by 1 pm on April 19, 2021. The VCAAA and its Advisory Cauncil shall review and consider input received at the public hearing, and may make changes accordingly in the final document. This notice is published in commitme.

## Public Notices

Title 22, Div. 1.8, §7308. 3/19/21 CNS-3451492# VENTURA COUNTY STAR AD#4645874

## Public Notices NOTICE OF PUBLIC HEARING

Pursuant la the California Water Code Section 10642, the Board of Directors of the United Conservation Water District (UWCD) will conduct a Public Hearing to receive public comments prior to adopting the updated 2020 Urban Water Management Plan (UWAP) and Water Shorlage Conlingency Plan (WSCP) for UWCD's Oxnard-Hueneme Pipeline System.

line System.

The Public Hearing for the UWMP and WSCP is scheduled to take place during UWCD's Board Meeting on May 12, 2021, located in UWCD's Board Room at 1701 N. Lombord Street, Oxnard CA 93030. The Public Hearing will take place during the second apen session, which is scheduled to begin at 1:00 P.M. The Public Hearing will also be accessible virtually, via WebEx, the link for which will be available with the normal posting of the Board Agenda of https://www.unitedwater.org/governance/#board-documents on May 6, 2021. Following the Public Hearing, an adoption hearing will take place on June 9, 2021 to adopt the Final UWMP and WSCP.

The Draft 2020 UWMP and Draft 2020 WSCP for UWC-D's OH System are available for review by visiting UWCD's website at https://www.unitedwater.org/kev-documents/#water-supply. For auestions or comments concerning the Draft 2020 UWMP and/or Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3590 or zhanson@united water.org. Written comments can also be sent to: Urban Water Management Plan Coordinator (20 Dr. Zachary Hanson United Water Conservation District

United Water Conservation District 1701 N. Lombard Street, Suite 200 Oxnard, CA 93030 Pub: March 12, 19, 2021 Ad #4635346

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## Yesterday's answer

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To whom it may concern

Please find enclosed the affidavit for your recent legal notice. Due to the Covid 19 situation we have been seeing a delay in the delivery of the papers used for the clippings on affidavits. We have consulted with the California Newspaper Association regarding this and the guidance provided was to send the electronic clipping in the interim.

Gan<u>LegPubNotices@gannett.com</u> please provide the ad number and indicate you'd like the affidavit with clipping and If you would like to receive the affidavit with the actual clipping on it as well please email the legal team at we would be happy to provide that.

Thank you for your patience and cooperation during this time.

Sincerely,

Tara Mondloch, Director- Public Notices, Classified Business Solutions, USA Today Network



## UNITED WATER CONSERV LEGALS 1701 LOMBARD ST

#### OXNARD, CA 93030-8232

State of California)

))

County of Ventura)

I hereby certify that the Ventura County Star Newspaper has been adjudged a newspaper of general circulation by the Superior Court of California, County of Ventura within the provisions of the Government Code of the State of California, printed in the City of Camarillo, for circulation in the County of Ventura, State of California; that I am a clerk of the printer of said paper; that the annexed clipping is a true printed copy and publishing in said newspaper on the following dates to wit:

#### 04/29/2021

I certify under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct.

Dated this April 29, 2021; in Green Bay, Wisconsin, County of Brown

Legal Clerk

Publication Cost: \$249.08 Ad No: 0004710769 Customer No: 304053

PO #:

# of Affidavits1

NOTICE OF PUBLIC HEARING

Pursuant to the California Water Code Section 10642, the Board of Directors of the United Conservation Water District (UWCD) will conduct a Public Hearing to receive verbal public comments prior to adopting the updated 2020 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP) for UWCD's Oxnard-Hueneme Pipeline System.

The Public Hearing for the UWMP and WSCP is scheduled to take place during UWCD's Board Meeting on May 12, 2021, located in UWCD's Board Room at 1701 N. Lombard Street, Oxnard CA 93030. The Public Hearing will take place during the second open session, which is scheduled to begin at 1:00 P.M. The Public Hearing will also be accessible virtually, via WebEx, the link for which will be available with the normal posting of the Board Agenda at https://www.unitedwater.org/governance/#board-documents on May 6, 2021. Following the Public Hearing, the UWCD Board will consider adoption of the UWMP and WSCP at its June 9, 2021 Board meeting.

The Draft 2020 UWMP and Draft 2020 WSCP for UWC-D's OH System are available for review by visiting UWCD's website at https://www.unitedwater.org/key-documents/#water-supply. For questions or comments concerning the Draft 2020 UWMP and/or Draft 2020 WSCP, please contact Dr. Zachary Hanson at (805) 695-3504 or zhanson@united water.org. Written comments may also be sent to the contact below, and all written comments must be received by 5 P.M. on May 11, 2021:

Urban Water Management Plan Coordinator c/o Dr. Zachary Hanson United Water Conservation District 1701 N. Lombard Street, Suite 200 Oxnard, CA 93030

Pub: April 29, 2021 #4710769

## 2020 URBAN WATER MANAGEMENT PLAN FOR UNITED WATER CONSERVATION DISTRICT

Appendix C Adoption Resolution and Meeting Agenda
June 8, 2021

# Appendix C Adoption Resolution and Meeting Agenda

## RESOLUTION 2021-05

A RESOLUTION OF THE BOARD OF DIRECTORS OF UNITED WATER CONSERVATION DISTRICT ADOPTING THE DISTRICT'S 2020 URBAN WATER MANAGEMENT PLAN AND WATER SHORTAGE CONTINGENCY PLAN FOR THE OXNARD HUENEME (OH) PIPELINE SYSTEM

WHEREAS, Section 10610 of the Water Code of the State of California as amended by legislation requires the urban wholesale water suppliers to prepare an Urban Water Management Plan and update it every five years, and prepare a Water Shortage Contingency Plan: and

WHEREAS, United Water Conservation District as a wholesale supplier of water to the Oxnard Hueneme Pipeline (OH) System falls under this requirement; and

WHEREAS, the current revision of its Urban Water Management Plan and Water Shortage Contingency Plan is due by July 1, 2021 and;

WHEREAS, the District's revised 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the OH Pipeline system has been posted on the District's website for at least 60 days, comments have been invited from a diverse group of United's customers and constituents, and a public hearing was held on May 12, 2021 at which public comments were invited.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of United Water Conservation District adopts its 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the OH Pipeline system, subject to any non-substantive changes required to incorporate any comments received at or prior to the public hearing.

PASSED, APPROVED AND ADOPTED this 9th day of June 2021.

ATTEST:

Michael W. Mobley, President

ATTEST:

Sheldon G. Berger, Secretary/Treasurer



## AGENDA REGULAR BOARD MEETING

Board of Directors
Michael W. Mobley, President
Bruce E. Dandy, Vice President
Sheldon G. Berger, Secretary/Treasurer
Mohammed A. Hasan
Lynn E. Maulhardt
Edwin T. McFadden III
Daniel C. Naumann

General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

# Wednesday, June 9, 2021, 12:00 P.M. Board Room, UWCD Headquarters 1701 N. Lombard Street, Oxnard CA 93030

Meeting attendees should be aware that the meetings of the Board are, as required by law, open to the public and the District has very limited powers to regulate who attends Board meetings. Therefore, attendees must exercise their own judgement with respect to protecting themselves from exposure to COVID-19, as the District cannot ensure that all attendees at public meetings will be free from COVID-19.

In addition to its public Regular Board of Directors meeting, people may choose to participate virtually using the Webex video conferencing application.

## To participate in the Board of Directors meeting via Webex, please access:

https://unitedwaterconservationdistrict.my.webex.com/unitedwaterconservationdistrict.my/j.php? MTID=m24ae5db158b3b25f5fb45bb9ca5412ca

**Use Meeting number**: 126 404 6142 **Password:** Direct (347328 from phones) **Join by phone** (audio only): +1-408-418-9388 (Toll rates apply) **Password**: Direct (347328)

#### **BOARD MATTERS**

Normally, Action (Motion) Items will be considered and acted upon separately; Consent Items will be considered and acted upon collectively, although a Consent Item may be considered and acted upon separately; and Information Items will be considered separately without action.

The Board of Directors in its discretion may change the order of agenda items.

## 1. FIRST OPEN SESSION 12:00 P.M.

Items to be discussed in Executive (Closed) Session will be announced.

## 1.1 Public Comments Information Item

Members of the public may address the Board on any matter on the Closed Session agenda or on any non-agenda item within the jurisdiction of the Board. All comments are subject to a five-minute time limit. Virtual participants, please use "raise hand" option in "participants" menu.

## 1.2 EXECUTIVE (CLOSED) SESSION 12:05 P.M.

The Board will discuss matters outlined in the attached Executive (Closed) Session Agenda (Exhibit A).

## 2. SECOND OPEN SESSION AND CALL TO ORDER 1:00 P.M.

## 2.1 Pledge of Allegiance

## 2.2 Public Comment

## **Information Item**

Members of the public may address the Board on any item on the Consent Calendar or on any non-agenda item within the jurisdiction of the Board. No action will be taken by the Board on any non-agenda item. All comments are subject to a five-minute time limit.

## 2.3 Approval of Agenda

## Motion

## 2.4 Oral Report Regarding Executive (Closed) Session

## **Information Item**

Presented by District Legal Counsel David D. Boyer.

## 2.5 Board Communication

## **Information Item**

Board members may present non-agenda information including, but not limited to, the following: 1) meetings, workshops, conferences and functions attended during the previous month on behalf of the District; 2) meetings, workshops, conferences and functions Directors plan to attend in the upcoming months; and 3) possible conflicts that Directors might have with respect to issues on the Agenda.

## 2.6 General Manager's Report

## **Information Item**

The General Manager will present information on his activities of possible interest to the Board and that may have consequence to the District.

## 2.7 Consider Cancelation of August Board Meeting

## Motion

As has been the District's tradition, the Board shall consider canceling its regular August 2021 Board meeting.

3. CONSENT CALENDAR: All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)

## A. Approval of Minutes

## Motion

Approval of the Minutes for the Regular Board Meeting of May 12, 2021.

## **B.** Groundwater Basin Status Reports

## **Information Item**

Receive and file Monthly Hydrologic Conditions Report for the District.

## **C.** Monthly Investment Report

## **Information Item**

Receive and file report on the District's investments and the availability or restriction of these funds. All investments are in compliance with the District's investment policy, which is reviewed and approved annually by the Board.

## 4. MOTION ITEMS (By Department)

## <u>Water Resources Department</u> – Dr. Maryam Bral

## **PUBLIC HEARING**

# 4.1 Conclusion of Annual Groundwater Hearing, Acceptance of Public Comment and Setting of 2021-22 Zones and Extraction Charges Motion

In accordance with Part 9 of Division 21 of the California Water Code (Section 75500 et seq.), the Board annually conducts a public hearing to consider the conditions of groundwater resources within the District. An "Annual Investigation and Report of Groundwater Conditions" was submitted to the Board on March 30, 2021 and has been available for public review and comment. This hearing was opened on April 14, 2021 and continued until May 12, 2021, at which time it was again continued to June 9, 2021. During the hearing, the Board will receive information from District staff and consultant(s) HF&H and Stratecon in support of the establishment of zone(s) within the District and levying of groundwater extraction charges within such zone(s). Public comment will also be accepted. No Board decisions have yet been made. The Board may choose to conclude the hearing today and consider acting to establish zone(s) within the District and to levy groundwater extraction charges within such zone(s) for the 2021-22 water year.

## **Resolution 2021-11**

Making Findings and Determinations from the Evidence Submitted Concerning the Groundwater Conditions of United Water Conservation District.

Motion

## **Resolution 2021-12**

Making Additional Findings and Determinations from the Evidence Submitted Concerning Groundwater Conditions of United Water Conservation District, Determining and Establishing Groundwater Extraction Charge Zones and Levying, Assessing and Fixing Groundwater Extraction Charges against All Persons Operating Groundwater Producing Facilities within Such Zones for the 2021-22 Water Year

**Motion** 

## Administration Services - Joseph Jereb and Josh Perez

4.2 <u>Resolution 2021-13</u> Adopting the REVISED Proposed District Budget Plan, Financial Policies, Overhead Allocation Method, Staffing Levels and Salary Schedules for Fiscal Year 2021-22 and Appropriation Carryovers for Fiscal Year 2020-21

## Motion

The Board will consider adoption of <u>Resolution 2021-13</u>, adopting the Revised proposed District Budget Plan, Fiscal Policies, Overhead Allocation Method, Staffing Levels and Salary Schedules for Fiscal Year 2021-22 and Appropriation Carryovers for Fiscal Year 2021-22.

4.3 <u>Resolution 2021-14</u> A Resolution of the Board of Directors of UWCD Requesting the Auditor-Controller to Compute and Affix a Tax Rate for the Fiscal Period 2021-22 Sufficient to Satisfy the State Water Project Charges <u>Motion</u>

Board will consider adoption of <u>Resolution 2021-14</u>, requesting the County Auditor-Controller to compute and affix a tax rate for FY 2021-22 to provide approximately \$2,041,000 in property tax revenue sufficient to satisfy a portion of the voter approved debt for State Water Project costs.

4.4 Resolution 2021-01 Authorizing the General Manager to Execute a Sub-Grant Agreement with Calleguas Municipal Water District for the State of California Department of Water Resources Integrated Regional Water Management Implementation Grant Awarded to the Watershed Coalition of Ventura County

#### Motion

The Board of Directors will consider adopting <u>Resolution 2021-01</u>, authorizing the General Manager to execute a Sub-Grant Agreement with the Calleguas Municipal Water District for the State of California Department of Water Resources Integrated Regional Water Management Implementation (IRWMI) grant awarded to the Watersheds Coalition of Ventura County.

## Water Resources Department - Dr. Maryam Bral

4.5 <u>Resolution 2021-05</u> Adopting the 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the Oxnard Hueneme Pipeline Motion

The Public Hearing regarding the proposed 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the Oxnard Hueneme (OH) Pipeline System was held during the May 12, 2021 UWCD Board of Directors meeting. Based on public comments received during the review period and Public Hearing, the Board will now consider approving Resolution 2021-05, formally adopting the 2020 Urban Water Management Plan and the Water Shortage Contingency Plan for the Oxnard Hueneme (OH) Pipeline system.

## Park and Recreation Department - Clayton Strahan

## 4.6 <u>Resolution 2021-15</u> Authorizing Workers' Compensation Benefits for Volunteer Workers

## Motion

The Board will consider adopting <u>Resolution 2021-15</u>, authorizing Workers' Compensation coverage for all volunteer personnel serving in a non-paid capacity at the Lake Piru Recreation Area and or in other capacities at the District while providing in-kind services to the District.

## **5. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)**

## **Operations and Maintenance Department – Brian Collins**

# 5.1 Monthly Operation and Maintenance Department Report Information Item

Summary report on monthly operations and maintenance of District facilities including Santa Felicia Dam and hydroplant; the Piru Groundwater Recharge facility; the Freeman Diversion Dam; the Saticoy and El Rio Groundwater Recharge facilities; the Pleasant Valley and Pumping Trough Pipeline systems; and the Oxnard-Hueneme Pipeline system. The report covers operating plans, the quantity and quality of water diverted and delivered, fish ladder status, major maintenance problems and repairs, status of O&M projects and safety and training issues.

## Park and Recreation Department - Clayton Strahan

# 5.2 Monthly Park and Recreation Department Report Information Item

Summary report on operations and items of note relative to the Lake Piru Recreation Area. Items may include, but are not limited to, discussion of potential revisions to the existing PMC operating agreement, camping and boating policies at the lake; operations and activities; financing and status of facility improvement projects; maintenance activities; security issues; and emergency response activities.

## Water Resources Department – Dr. Maryam Bral

# 5.3 Monthly Water Resources Department Report Information Item

Summary report on monthly Groundwater Department activities. Department activities include, but are not limited to, updates to the Ventura Regional Groundwater Flow Model; brackish water treatment feasibility study; upper Santa Clara River Chloride TMDL; hydrologic and well conditions statewide and locally; available Forebay storage; Ventura County well ordinance update; Fox Canyon GMA issues; City of Oxnard's recycled water program; potential water supply and recycled water projects, including use of United's terminal reservoirs; user groups (including but not limited to Oxnard Plain and Pumping Trough Pipeline groups); and potential District solar power facilities.

# 5.4 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA) Information Item

Summary report on the monthly activities of the three local Groundwater Sustainability Agencies (Mound Basin GSA, Fillmore and Piru Basins GSA, and the Fox Canyon Groundwater Management Agency), for which the District serves as a member director, and Santa Paula basin (adjudicated) Technical Advisory Committee (including formation of groundwater sustainability agencies in the District's basins, stakeholder and basin user groups, joint powers or governance agreements, development of water markets, and potential basin boundary changes). Staff may also report on state-wide issues related to the implementation of the Sustainable Groundwater Management Act of 2014.

## <u>Administrative Services Department</u> – Joseph Jereb and Josh Perez

# 5.5 Monthly Administrative Services Department Report – Anthony Emmert <u>Information Item</u>

Summary report on Administration Department activities including issues associated with budget development, financial performance versus budget plan, financial accounting requirements and procedures, potential debt issuance and related financial services, status of District investments and reserves, updates on its capital improvement programs, human resources and safety, District property and facilities maintenance and administration, the search for new District offices, District records and reports, groundwater extraction statements administration, risk management and District liability insurance matters, management of District contracts, policy development, governance procedures, and supporting activities of Board and staff.

## **Engineering Department – Dr. Maryam Bral**

# 5.6 Monthly Engineering Department Report Information Item

Summary report on various water resources, planning efforts and department programs affecting the District, including, but not limited to design and construction; dam safety; FERC license compliance; Freeman Diversion; recycled water; pipeline operations and various engineering analysis.

## **Environmental Planning and Conservation Department – Linda Purpus**

# 5.7 Monthly Environmental Planning and Conservation Department Report Information Item

Summary report on environmental and regulatory issues of note to the District. The report will include water releases, operations of the fish ladder at the Freeman Diversion, various monitoring efforts, study plans and issues associated with the Endangered Species Act, including the Section 10 MSHCP process, future fish passage requirements, compliance with the District's FERC license/Biological Opinion, the Santa Felicia Dam, studies and operations in and near Piru Creek, any interactions with Rancho Temescal and Rancho Camulos.

## 6. BOARD OF DIRECTORS READING FILE

#### 7. FUTURE AGENDA ITEMS

#### 8. ADJOURNMENT

The Board will adjourn to the **Regular Board Meeting scheduled for Wednesday**, **July 14, 2021** or call of the President.

All testimony given before the Board of Directors is recorded.

Materials, which are non-exempt public records and are provided to the Board of Directors to be used in consideration of the above agenda items, including any documents provided subsequent to the publishing of this agenda, are available for inspection at the District's offices at 1701 N. Lombard Street, Suite 200, Oxnard CA 93030 during normal business hours.

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda materials in an alternative format, please contact the District Office at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.

Approved:

Mauricio E. Guardado, Jr. – General Manager

Posted: (date) June 4, 2021 (time) 4:00p.m. (attest) Kris Sofley

At: United Water Conservation District Headquarters, 1701 N. Lombard Street, Oxnard CA 93030

Posted: (date) June 4, 2021 (time) 4:15p.m. (attest) Kris Sofley

At: www.unitedwater.org

# EXHIBIT A EXECUTIVE (CLOSED) SESSION AGENDA

#### 1. LITIGATION

1.1 Conference with Legal Counsel-Anticipated Litigation
Pursuant to Government Code Section 54956.9(d)(2), one (1) case.

### 1.2 Conference with Legal Counsel – Existing Litigation

Pursuant to Government Code Section 54956.9 (d)(1)

- A. <u>City of San Buenaventura v. United Water Conservation District, et al</u>, Santa Barbara County Superior Court Case No. VENCI00401714
- B. <u>City of San Buenaventura v. United Water Conservation District, et al,</u> Santa Barbara Superior Court Case No. 1414739 (consolidated for purposes of trial with case in subsection A.)

Note: 1.2 A and B consolidated in the California Supreme Court, 2<sup>nd</sup> Civil No. S226036, Review granted on June 24, 2015 of published decision of Division Six, Second District of the Court of Appeal of the State of California, 2d Civil No. B251810.

- C. <u>City of San Buenaventura v. United Water Conservation District, et al</u>, Santa Barbara County Superior Court Case No. 1467531
- D. Wishtoyo Foundation, et al v. United Water Conservation District, U.S. District Court for the Central District of California, Case No.2:16-cv-03869 GHK (PLAx)
- E. Josey Hollis Dorsey, a minor, through his guardian ad litem Ryan Dorsey; and The Estate of Naya Rivera, through its personal representative, Justin Stiegemeyer, v. County of Ventura, a California public entity; United Water Conservation District, a California public entity; and Parks and Recreation Management, d/b/a Parks Management Company, a California corporation; and Does 1-20, inclusive, Superior Court of the State of California for the County of Ventura Case No. 56-2020-00547077-CU-PO-VTA

# 2020 URBAN WATER MANAGEMENT PLAN FOR UNITED WATER CONSERVATION DISTRICT

Appendix D 2015 Ventura County Multi Hazard Mitigation Plan June 8, 2021

# Appendix D 2015 Ventura County Multi Hazard Mitigation Plan

The 2015 Ventura County Multi Hazard Mitigation Plan is found on the Ventura County Flood Info website and is available here:

http://www.vcfloodinfo.com/resources/ventura-county-hazards-mitigation-plan

# 2020 URBAN WATER MANAGEMENT PLAN FOR UNITED WATER CONSERVATION DISTRICT

Appendix E Water Shortage Contingency Plan June 8, 2021

# Appendix E Water Shortage Contingency Plan

Also available online at the below link:

https://www.unitedwater.org/key-documents/#water-supply



United Water Conservation District Water Shortage Contingency Plan

Final

June 8, 2021





Prepared for:

United Water Conservation District

Prepared by:

Stantec Consulting Services Inc.

June 8, 2021

### **Water Shortage Contingency Plan**

#### Introduction

This Water Shortage Contingency Plan (WSCP) complies with California Water Code (CWC) Section 10632, which requires that every urban water supplier shall prepare and adopt a WSCP as part of its Urban Water Management Plan (UWMP). Section 10632.2 provides that, "An urban water supplier shall follow, where feasible and appropriate, the prescribed procedures and implement determined shortage response actions in its water shortage contingency plan...or reasonable alternative actions, provided that descriptions of the alternative actions are submitted with the annual water shortage assessment report pursuant to Section 10632.1."

The WSCP is the Supplier's operations plan for water shortages and is best developed in a manner that is suited for a Supplier's specific conditions, constraints, and opportunities. Understanding water supply reliability, factors that could contribute to water supply constraints, availability of alternative supplies, and what effect these have on meeting customer demands provides the Supplier with a solid basis on which to develop appropriate and feasible response actions in the event of a water shortage.

### Water Supply Reliability Analysis

The primary source of water for the United Water Conservation District's (United) Oxnard-Hueneme (OH) system is the Oxnard basin. The groundwater basin is managed by the Fox Canyon Groundwater Management Authority (FCGMA) who sets allocations for each pumper. As described in Chapter 6 of the UWMP, An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins was adopted pursuant to the GSP established by FCGMA meeting the requirements of the SGMA of 2014. Based on groundwater production from 2004 to 2015, FCGMA established an allocation of 14,337 AFY for United's OH system with an annual cutback volume of approximately 372 AFY (2.60% of the base allocation). The annual groundwater allocation cutbacks are expected to begin October 1st, 2021 and come to an end by September 30th, 2040 after sustainability is reached, however this is yet to be fully determined by FCGMA and more information is anticipated to become available in the coming months.

The Oxnard basin currently provides a reliable source of water for the OH System. However, the allocation reductions to reduce groundwater overdraft on the Oxnard Plain and the resulting seawater intrusion have an impact on United's water supply. Therefore, the District is evaluating alternative water supplies (AWS) to supplement local water resources as discussed in Chapter 6 of the UWMP.

United also has a contractual right to SWP water which can be released from either Pyramid Lake or Castaic Lake and diverted at the Freeman Diversion. This supplemental source benefits the District, including the Oxnard basin, but is more costly than natural runoff.

United is committed to providing its purveyors with high quality water that meets all federal and state primary drinking water standards. Some contaminants are naturally occurring minerals. In some cases, the presence of animals or human activity can contribute to the constituents in the source waters. More

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detail is provided in Chapter 7 of the UWMP which address constituents reported in the Santa Clara River Watershed Sanitary Survey Updates impacting water quality.

Potential risks to United's groundwater supplies include groundwater contamination caused by spillage of agricultural chemicals, runoff from industrial sites, spillage from tanker trucks carrying hazardous chemicals, or other accidents. Generally, United develops a response plan on a case-by-case basis depending on the severity of the risk. However, if a severe groundwater contamination event were to occur, water supplies for the OH System could be adversely affected. In the event of severe groundwater contamination, United would implement the appropriate WSCP action and response as described in more detail in the following sections.

To determine the water supply reliability of United's OH System, an assessment was developed that includes a comparison of the total projected water demand with the supply available for the following conditions: (1) normal/average water year, (2) single-dry water year, and (3) five-consecutive-year drought. The basis of the water supply and demand assessment is summarized in Chapter 7 of the UWMP. FCGMA reduced allocations have been used in the assessment as this is considered the new normal supply for all types of water year. United is anticipated to reduce its OH System purveyor allocations accordingly and, therefore, reduce water demands through 2040 for all year types. The OH system is physically robust to climate/drought, yet limitations from GSP related regulatory requirement and UAS water quality issues that arise during drought reduce the robustness. The Iron/Manganese treatment project discussed in Chapter 6 of the UWMP, in part funded through DWR grant, will relieve drought-related water quality issues by blending Lower Aquifer wells with Upper Aquifer wells. The OH System can physically pump and deliver more than allocated in order to meet demand, but Purveyors will be charged accordingly and be subjected to penalties imposed by FCGMA.

### **Annual Water Supply and Demand Assessment Procedures**

Pursuant to CWC Section 10632(a)(2), United has included the procedures proposed for conducting an Annual Water Supply and Demand Assessment (Annual Assessment). The Annual Assessment is a determination of the near-term outlook for supplies and demands and how a perceived shortage may relate to WSCP response actions. This determination is based on information available to United at the time of the analysis. Starting in 2022, the Annual Assessment will be due on or before July 1 of each year.

#### **Decision Process**

United staff will draft and prepare the Annual Assessment per DWR guidelines. The Annual Assessment will use key data inputs from FCGMA and OH customers to determine available water supply and demand for the reporting period. The Annual Assessment will be presented to the District Board annually and the final Annual Assessment will be submitted to DWR by the reporting deadline of July 1. The District will determine if a supply shortage exists and may declare the appropriate shortage, as described in the Section titled "Six Standard Water Shortage Stages." Figure 1-1 shows an Annual Assessment Sample Timeline.

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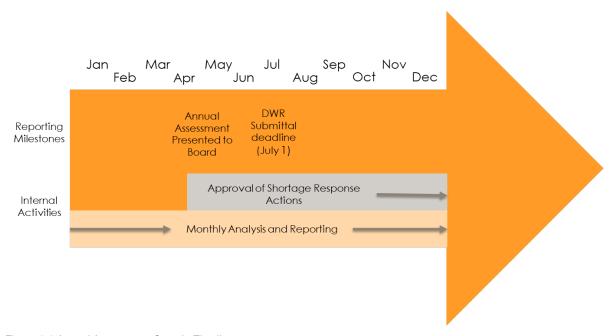


Figure 1-1 Annual Assessment Sample Timeline

### **Data and Methodologies**

#### **Evaluation Criteria**

As allocation changes are implemented or stages of water shortage are declared by FCGMA, the District will inform OH customers of those changes for implementation or notice and the District will continue to monitor water demand levels. The District will monitor emerging supply and demand conditions throughout the year and take appropriate actions consistent with the flexibility and adaptability inherent to the WSCP.

#### **Current Year Water Supply**

United's source of water supply for the OH System includes groundwater production from twelve (12) wells within the Oxnard basin. This is the only source for potable water for the OH System. Key data inputs for water supply will include projected water supply that is based on the allocation for the OH System that is imposed by FCGMA. In preparing the Annual Assessment, the District will rely on allocation information that is available from FCGMA during the Annual Assessment preparation process.

#### **Current Year Unconstrained Customer Demand**

The District will need to evaluate expected water needs for the coming year or "unconstrained demand" per the Water Code Section 10632. Key data for water demand will include projected water demand that will be developed and evaluated based on previous year(s) delivery records as well as information gathered through coordination with the OH System's largest customers, the City of Oxnard and Port

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Hueneme Water Agency (PHWA), in order provide an informed projection for the OH System water demand.

#### Planned Water Use for Current Year Considering Dry Subsequent Year

The District will evaluate anticipated supplies for the coming year, while anticipating that the following year will be dry. Key data for water supply considering the current year and one dry year will include projected water supply that is based on the allocation for the OH System that is imposed by FCGMA. The District will continue to review available allocation information from FCGMA and projections related to available groundwater for making decisions involving water shortage responses.

#### Infrastructure Consideration

Throughout each year, the District regularly carries out preventive and corrective maintenance of facilities. The District does have a well replacement program as part of ongoing CIP projects and frequent and scheduled maintenance in place for the El Rio facilities and OH Pipeline. The District plans and performs shutdowns to inspect and repair pipelines and facilities and support capital improvement projects. These shutdowns involve a high level of planning and coordination with OH customers, as well as other affected organizations, and the community.

### Six Standard Water Shortage Stages

Water Code Section 10632 (a)(3)(B) authorizes Suppliers to continue using their own water shortage levels that may have been included in past WSCPs. United follows, and is dependent upon, the actions taken by the FCGMA. Table 1-1 presents a crosswalk between the FCGMA imposed allocation reductions and the six standard stages.

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Table 1-1: Water Shortage Contingency Plan Levels				
Shortage Level	Percent Shortage Range	Water Supply Condition		
1	Up to 10%	Up to 10% reduction in groundwater allocation imposed by the FCGMA		
2	Up to 20%	Up to 20% reduction in groundwater allocation imposed by the FCGMA		
3	Up to 30%	Up to 30% reduction in groundwater allocation imposed by the FCGMA		
4	Up to 40%	Up to 40% reduction in groundwater allocation imposed by the FCGMA		
5	Up to 50%	Up to 50% reduction in groundwater allocation imposed by the FCGMA		
6	>50%	Greater than 50% reduction in groundwater allocation imposed by the FCGMA		

### **Shortage Response Actions**

The following section specifies the types of shortage response actions that may be undertaken before and during a shortage declaration. The actions will align with FCGMA allocation ordinances and emergency agreements and the WSCPs prepared by United's retail suppliers, the City of Oxnard and Port Hueneme Water Agency. Table 1-2 below provides a summary of the shortage stage and the suite of response actions United may take.

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Table 1-2: Demand Reduction Actions					
Demand Reduction Actions Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.	How much is this going to reduce the shortage gap? Include volume units used.	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement? Drop Down List		
Add additional rows as needed					
Expand Public Information Campaign	up to 20 percent		No		
Other	0 to >50 percent	In accordance with the OH Users agreement and United's Board Policy for the OH System, United will coordinate with FCGMA and the OH Users to reduce allocations imposed by FCGMA to users.	No <sup>1</sup>		
	Demand Reduction Actions Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you. Inal rows as needed Expand Public Information Campaign	Demand Reduction Actions Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.  Inal rows as needed  Expand Public Information Campaign  How much is this going to reduce the shortage gap? Include volume units used.  used.  up to 20 percent	Demand Reduction Actions Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.  Indirect the shortage gap? Include volume units used.  Expand Public Information Campaign  In accordance with the OH Users agreement and United's Board Policy for the OH System, United will coordinate with FCGMA and the OH Users to reduce allocations imposed by FCGMA to		

#### NOTES:

1) Penalties for water delivered above allocation is subject to penalties imposed by FCGMA. Following any allocation reduction imposed by FCGMA, OH System allocation limits would be adjusted accordingly.

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### **Supply Augmentation**

United does not purchase or import water on a regular basis specifically for OH purveyors; however, several OH purveyors have augmented their supply through several one-year emergency contracts with surrounding cities in times of water shortage.

United is participating in a project with surroundings cities for the State Water Interconnection Pipeline Project, which will provide United with an opportunity for emergency supply when available and based on a final agreement with the partner agencies. This project is anticipated to be online in the next five years.

#### **Demand Reduction**

As a water wholesaler, United does not have the authority or the ability to implement many of the demand measures available to water retailers. However, United's largest purveyors, the City of Oxnard and Port Hueneme Water Agency (PHWA), have demand reduction measures in place, including water use prohibitions. United would coordinate with and provide resources to their purveyors to promote the success of these demand measures.

As indicated in United's purveyors WSCP, water demand measure reductions can prohibit using potable water for street washing, filling of decorative fountains, car washing or filling or refilling pools. These prohibitions are available at all shortage stages but increase in severity in accordance with the water shortage level. Financial penalties are outlined in United's purveyors' respective UWMPs. United does not expect to receive any revenue or expenditure impacts from these measures, as water is supplied by contract. Refer to the PHWA and City of Oxnard's WSCP 2020 UWMP for more information.

Significant penalties are levied on United's OH purveyors by the FCGMA if they take delivery of water in excess of their allocations. To date, the threat of these financial penalties has effectively discouraged the overuse of local groundwater within the boundaries of the FCGMA. Penalties are set at the approximate cost to buy State Project Water from Calleguas MWD. FCGMA does not prohibit pumping above allocation but will apply penalties for this action. In accordance with the OH Users Agreement and United's Board Policy for the OH System, United will coordinate with FCGMA and the OH users to reduce allocations imposed by FCGMA.

While many of the demand reduction measures are unavailable to United, United does have a public education and outreach campaign. United actively participates in regional public education and outreach programs, including an annual water symposium, tours of regional water facilities, and presentations to interested stakeholders. The budget for each fiscal year will include specific line items for public outreach, and United intends to increase its efforts in this area.

Previously, United's General Manager had the ability to request additional water conservation measures as determined necessary and appropriate for the protection of public health and safety, and the conservation of groundwater aquifers and supplies (Resolution No. 2014-01). However, these requests are non-binding and do not have any enforcement mechanism.

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### **Operational Changes**

The General Manager, or designee, is authorized to identify additional operational actions which United could undertake as determined necessary and appropriate for the protection of public health and safety, and the conservation of groundwater aguifers and supplies.

### **Additional Mandatory Restrictions**

California Water Code Section 10632(a)(4)(D) calls for "additional, mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions and appropriate to the local conditions" to be included among the WSCP's shortage response actions. However, this item is not applicable to United. As a wholesaler, United does not dictate or control the end uses of water by retail consumers.

### **Emergency Response Plan**

In the event of a catastrophic supply interruption, United will implement their Water System Emergency Response Plan. It includes information on the strategies, resources, plans, and procedures that can be used to prepare for and respond to an incident, natural or man-made, that threatens life, property, or the environment. While this document is considered sensitive and not available to the public, some basic emergency response actions are generally described below.

Earthquakes pose a significant threat to United's infrastructure. Should an earthquake occur in the region, staff will first inspect the El Rio Treatment Plant, the disinfection facilities, which hold chlorine and ammonia in storage for chloramine disinfection. This is to ensure that there is no immediate danger of fire or release of hazardous chemicals and that water meets the primary drinking water standards. Once the treatment plant is secure, the remaining facilities will be inspected for damage. If a rupture on the OH Pipeline occurs, the operators will take the necessary steps to isolate the leak as soon as practical and proceed with pipeline repairs.

Power outages also pose a threat to United's ability to provide water supplies. The El Rio Treatment Plant has emergency generators in the event of a regional power outage, however, United can only supply a limited amount of potable water during a power outage until the OH Wellfield Emergency generator project is complete.

Additional potential supply interruptions include groundwater contamination, sewage spills from wastewater treatment plants located upstream along the Santa Clara River, and petroleum spills from oil pipelines or overturned trucks near or at the plant. In these cases, United communicates with emergency personnel to shut down/isolate the OH system and notify purveyors of the interruption in service.

### **Seismic Risk Assessment and Mitigation Plan**

Seismic Risk Assessment and Mitigation plan discussed in this WSCP is pertinent to United's OH system only. The OH system covering an area of approximately 43 square miles serves the City of Oxnard,

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PHWA, and several mutual water companies. The OH system's critical facilities include 12 groundwater wells, the El Rio Treatment Plant, located in the Oxnard Forebay, and a transmission pipeline that consists of an approximately eight-mile transmission main and a four-mile long lateral known as the Mugu Lateral. General seismic hazards regarding facilities that do not directly supply the OH system but are within United's operating area, such as Freeman Diversion structure on the Santa Clara River and San Felicia Dam and Lake Piru are not included in this plan but are referred to in the 2015 Ventura County Multi-Hazard Mitigation Plan<sup>1</sup>.

There are various faults located within the vicinity of the OH system facilities. These faults along with probable surface rupture, liquefaction, and landslides hazards to these facilities are discussed below.

#### **Ground Faults**

The Simi-Santa Rosa fault zone extends from the Santa Susana Mountains westward along the northern margin of the Simi and Tierra Rejada valleys and along the southern slope and crest of the Las Posas Hills to their westerly termination<sup>1</sup>. *Per the 2015 Ventura County Multi-Hazard Mitigation Plan (Hazard Plan)*, the likely maximum magnitude along the Simi-Santa Rosa fault zone referenced as 6.7 with a recurring interval of 933 years<sup>1</sup>. The District facilities are within less than a mile of this fault.

The Oak Ridge fault system is a steep (65 degrees) southerly dipping reverse fault that extends from the Santa Susana Mountains westward along the southerly side of the Santa Clara River Valley and into the Oxnard Plain. The system is more than 50 miles long on the mainland and may extend an equal or greater distance offshore. Several recorded earthquake epicenters on land and offshore may have been associated with the Oak Ridge fault system. Portions of the system are zoned by the state as active<sup>1</sup>. The Ridge fault system is located less than five miles from the OH system. The likely Maximum Magnitude earthquake is 6.9 with a recurrence interval of 299 years<sup>1</sup>.

The Ventura-Pitas Point fault system includes the western half known as the Pitas Point fault, and the eastern half known as the Ventura fault. The Pitas Point fault extends offshore into the Pacific Ocean and is roughly 14 miles long. The Ventura fault extends into the communities of Ventura and Sea Cliff and runs roughly parallel to portions of U.S. 101 and State Route 126. The fault is roughly 12 miles long with a likely Maximum Magnitude earthquake of 6.9 with and unknow recurrence interval<sup>1</sup>. The Ventura-Pitas Point fault is a left-reverse fault located within 5 miles of the OH system.

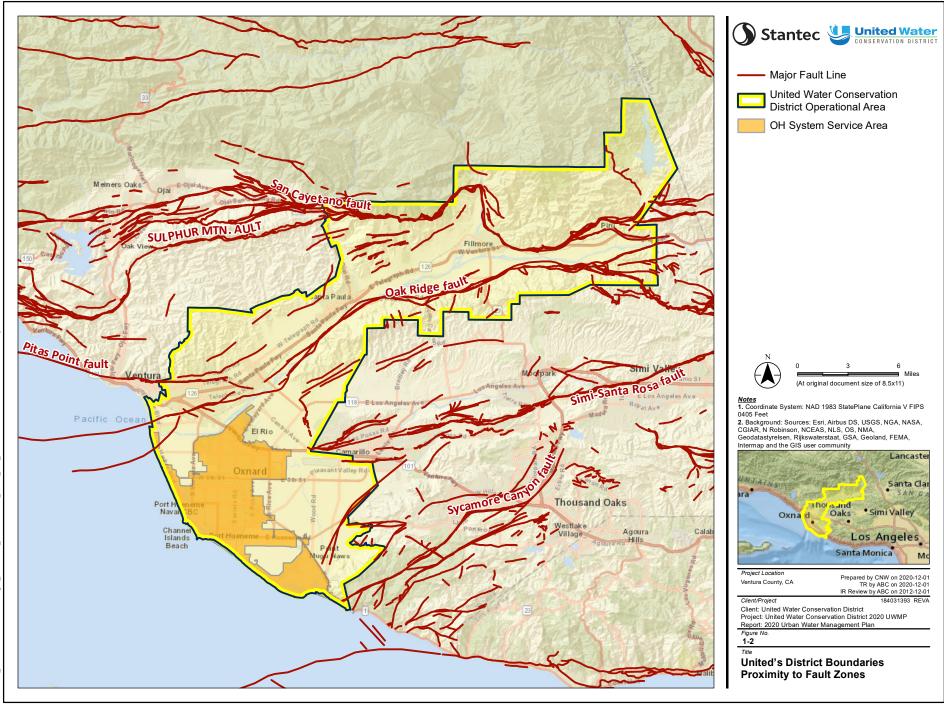
The San Cayetano–Red Mountain–Santa Susana fault system consists of a series of major north-dipping reverse faults that extend over 150 miles from Santa Barbara County into Los Angeles County. Within this system, the San Cayetano fault is considered the greatest hazard to Ventura County¹. It is a major, north-dipping reverse fault that extends for 25 miles along the northern portion of the Ventura basin. The Oak Ridge fault system is a steep (65 degrees) southerly dipping reverse fault that extends from the Santa Susana Mountains westward along the southerly side of the Santa Clara River Valley and into the Oxnard Plain. The system is more than 50 miles long on the mainland and may extend an equal or greater

<sup>&</sup>lt;sup>1</sup> Ventura County Multi-Hazard Mitigation Plan, September 2015

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distance offshore. This fault is located over 13 miles from the OH system and has a likely Maximum Magnitude earthquake of 6.8 with a recurrence interval of 507 years.

See Figure 1-2 for the fault zones near the District's boundaries.



Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

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#### Seismic Risk

The OH system facilities are in close proximity to these faults but based on California Geological Survey Earthquake Hazard Zones maps for landslide, surface faults, and liquefaction as referenced in the Hazard Plan, the OH facilities including the groundwater wells, the treatment plant, and pipelines are only prone to liquefaction. Liquefaction can occur where sandy soils are saturated by the presence of shallow perched water. This could interrupt groundwater production, and damage the treatment plant, and the transmission line, and cause a water shortage to the OH system's customers.

Pertinent to the El Rio Treatment Plant, as discussed in the *United Water Conservation District Chlorine & Aqueous Ammonia Treatment Systems CalARP Seismic Assessment (Seismic 2019),* in order to minimize the effects of liquefaction, the District has constructed its facility on a large monolithic slab. Further mitigation can be made when designing new foundations and structures at the El Rio Treatment site through adherence to the Seismic Zone 4 soil and foundation support parameters in Chapters 16 and 18 of the 2007 California Building Code, the grading requirements in Chapters 18, 33, and the appendix to Chapter 33 of the Code<sup>2</sup>.

United's OH facilities are not located near steep hills or sloped land that would be susceptible to landslides. The threat of a landslide at the site is not regarded as a likely event in the event of an earthquake.

Tsunamis are water waves produced by the rapid tectonic displacement of the ocean floor. Based on California Geological Survey Tsunami Hazard Zones maps<sup>3</sup> United's water production facilities are not located close enough to the coastline to be vulnerable to tsunamis but portions of the transmission main and Magu Lateral are within one mile of the Tsunami Hazards Area and could be affected by potential tsunami inundation. The Small Woolsey basin, a previous gravel mining pit, is located less than half a mile from the El Rio Treatment Plant and is typically dry. Under the certain circumstances, there is a potential for seiche inundation from this basin that could affect the El Rio wellfield and treatment facility<sup>2</sup>. A seiche is an oscillation of a body of water in an enclosed or semi-enclosed basin induced by earthquake shaking.

#### Mitigation

In the event of a pipeline break caused by liquefaction, there are no redundant pipelines for the OH system to deliver water to the OH system purveyors. United does have emergency response measures as described above in case of water shortage.

In the event of damage to the well field and /or El Rio Treatment facilities, United currently has no alternative source of water production. For future mitigation, under the development of the SWP Interconnection project, currently in design, there is a provision for two turnouts from the interconnection to United facilities for State Water Project (SWP) delivery in the event of an emergency. One turnout is planned to be established on Rose Avenue near United's existing 78-inch supply line. Through this

<sup>&</sup>lt;sup>2</sup> United Water Conservation District - Oxnard CalARP Seismic Assessment May 2019

<sup>&</sup>lt;sup>3</sup> https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=ts\_evacuation

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turnout, SWP could be delivered to the OH system. The location of the second turnout will be determined during the final design phase of the SWP Interconnection project.

In the event of an earthquake, if there is a disruption to the OH system due to liquefaction or a seiche event, United may not be able to successfully deliver water supplies. If such event were to occur, United will activate their Water System Emergency Response Plan (this document is considered sensitive and is not available to the public). Details on how United would address a disruption on their water supplies from a natural disaster is described in the emergency response plan.

### **Communication Protocols**

United has several communication tools and methods in place to inform retail purveyors, the public, elected officials, and other agencies about water supply conditions. These include written notices to purveyors, updates on United's website, social media outreach, and collaboration with other agencies. These methods are not limited to any single water shortage level but would be used in varying degrees at all levels.

In the event that a water shortage results in decreased allocations, the General Manger or designee, upon agreement with the Board of Directions, may choose to send out a "Water Supply Availability Notice" to the OH Pipeline purveyors. The notice would provide the availability of supply for each purveyor and an anticipated timeline. Depending on the circumstances, United would ensure to provide a notice in advance of any major allocation reduction. The retail purveyors are encouraged to contact United with any questions or concerns.

United uses various outreach methods to communicate with purveyors. Important communication is facilitated primarily by email or telephone, but other communication methods such as e-flyers, social media, and website updates are also employed. United has Twitter, Facebook, and YouTube accounts to provide timely updates about water supply issues, infrastructure issues, and road closures due to construction. United also provides information on the News and Press Release page of their website (<a href="https://www.unitedwater.org/connect/#news-press">https://www.unitedwater.org/connect/#news-press</a>). This webpage provides a Media Toolkit with links to United's YouTube channel and an informational fact sheet. It is the responsibility of the General Manager or designee to oversee these communications which would be carried out by United's Safety and Security Program Coordinator. United plans to use these methods at all water shortage levels.

In the event of an emergency, the General Manager or designee would inform the Ventura County Association of Water Agencies to initiate the coordination of response and support with those agencies and member agencies. United is a member of the Association of Water Agencies (AWA) Disaster Preparedness Subcommittee (Subcommittee). The Disaster Preparedness Subcommittee is comprised of AWA members selected from geographical areas of the county. Each member represented by an Area Captain is responsible for relaying incident reporting information up the chain of command for emergency response assistance. The subcommittee serves as a platform for information and resources sharing among the members. United through the Subcommittee and directly has access to the Ventura County Office of Emergency Services (OES). The OES is responsible for countywide disaster planning,

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mitigation, response, and recovery activities and can activate the County's Emergency Operations Center (EOC) in response to major events and disasters.

The tools and methods outlined above augment and compliment the efforts by FCGMA, Calleguas Municipal Water District, the County of Ventura, and the retailers served by United. All entities have extensive communication and outreach campaigns as outlined in their WSCPs. To ensure the collaboration and continuity of these outreach efforts, United's staff currently attend regular meetings with FCGMA. In the event that a Level 3-6 water shortage is declared, United anticipates these meetings will increase in frequency. In the event of water shortage emergency, the United representative would collaborate with the Ventura County Association of Water Agencies which includes neighboring member agencies.

### **Compliance and Enforcement**

This section is not applicable to United since they are a wholesale supplier.

### **Legal Authorities**

United is a public entity formed in 1950 pursuant to the Water Conservation District Law (California Water Code Section 74000, et seq.).

As a water conservation district, United does not have independent authority to directly regulate individual groundwater usage within its boundaries. United can declare a water shortage or adopt an ordinance or resolution that would inform pumpers and other water users within its boundaries about the availability of supply or lack thereof. In addition, United is required to "coordinate with any city or county which it provides water supply services for the possible proclamation of a local emergency" (California Government Code Section 8558) and will adhere to water shortage emergency ordinances adopted by the FCGMA and/or the County of Ventura."

United is a wholesale water provider to the City of Oxnard, Port Hueneme Water Agency (PHWA), and several mutual water companies. According to Section 2 of the Water Supply Agreement for Delivery of Water through the Oxnard/Hueneme Pipeline Agreement that went into effect on June 7, 1996, the parties acknowledged that the delivery of water made by United under this agreement is subject to the ongoing regulatory authorities of the Fox Canyon Groundwater Management Agency.

### **Financial Consequences of WSCP**

United's current pricing structure for OH System users includes the following elements:

- Variable rate, based on usage (per AF)
- Marginal rate based on usage (per AF)
- Fixed monthly costs
- Unrecovered Variable rate (per AF)

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The inclusion of "fixed" charges in the pricing structure allows United to continue receiving revenue for maintenance of its facilities even when groundwater allocations are reduced by the FCGMA and United's users receive less groundwater. The rates are based on usage, and a decreased volume can result in an increase per until. United does not apply a drought rate structure or surcharge to account for lost revenue from sales. However, United may consider the delay of capital improvements and reduction of expenditures to overcome impacts to revenues and expenditures.

United operates the OH System is as an enterprise fund and maintains financial reserves at levels sufficient to absorb unpredictable revenue shortfalls and to ensure fiscally prudent/desired cash flow levels. United's Board policy for the OH System was last adopted on July 1, 2015. The policy states United and the OH System contractors agree to meet and confer about developing a plan, which may include, but not be limited to, temporary rate increases, surcharges, capital contributions, or other reasonable methods that will restore the reserves, in the event the reserves are depleted by more than thirty percent in any fiscal year. In accordance with the Board policy and the OH Users Agreement, the current (fiscal year 2020-2021) minimum reserve level for the OH fund is \$1.1 million.

### **Monitoring and Reporting**

Monitoring and reporting key water use metrics is fundamental to water supply planning and management. Monitoring is also essential to ensure that the response actions are achieving their intended water use reduction purposes, or if improvements or new actions need to be considered. United will monitor and report on implementation of its WSCP.

On a monthly basis, United staff generate a technical report detailing the forebay available storage levels. This data is used to measure the effectiveness of any water shortage contingency stage that may be implemented. As stages of water shortage are declared by FCGMA, the District will follow implementation of those stages and continue to monitor water demand levels. United's Board reserves its right to undertake future actions in support of water conservation as authorized by law, including but not limited to declaration of a water shortage emergency, the filing of judicial actions concerning the ownership or use of water within the service area, and the enactment of ordinances for the operation of OH facilities.

#### **WSCP Refinement Procedures**

United, elected officials, or members of the public may suggest changes to the WSCP as part of the public hearing that considers the adoption of this document. Once a motion has been made, the District will evaluate and respond within 45 days.

The WSCP will be periodically re-evaluated to ensure that the shortage risk tolerance is adequate, and the shortage response actions are effective and up-to-date based on lessons learned from implementing the WSCP. At a minimum, the WSCP will be revised and updated during the UWMP update cycle to incorporate updated and new information. For example, new supply augmentation actions may be added, and actions that are no longer applicable for reasons such as program expiration will be removed. If revisions to the WSCP are warranted before the UWMP is updated, the WSCP will be updated outside of the UWMP update cycle.

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While preparing the Annual Assessment each year, United will routinely consider the functionality the overall WSCP and will prepare recommendations for United's Board of Directors if changes are found to be needed. Elected officials or members of the public may also suggest changes to the WSCP during a public meeting. Once a request or comment has been made, the District will evaluate and respond within 45 days. If the District deems that no change is necessary, it will put out a brief statement which will be made available on their website, social medial platforms, and announced at the next board meeting. If the District deems a change is needed, District staff will update the WSCP and post the revisions to their website for a 30-day comment period. Following the comment period, District staff will make any final adjustments and present the latest version to the Board of Directors for approval.

### **Special Water Feature Distinction**

United is a wholesaler and as such does not dictate or control the end uses of water by retail consumers. This applies to limitations placed on special water features as well and thus is not applicable.

### **WSCP Adoption, Submittal, and Availability**

The United WSCP was developed and is included as an appendix in the 2020 Draft UWMP and shall be made available to its purveyors and any city or county within which it provides water supplies no later than 30 days after adoption. Below is a description of how the WSCP will be adopted, submitted, implemented, and amended. The WSCP may be periodically amended independently of the UWMP, as needed.

United provided notice of availability of the draft 2020 UWMP and 2020 WSCP in accordance with CWC. A public hearing was held prior to the adoption of the United's OH System WSCP. The public hearing provided a platform for cities, counties, and members of the public to comment on the WSCP prior to its adoption. Notice of the public hearing was given to cities and counties within which water is supplied and to the general public.

A public hearing was held at United's Board Room located at 1701 N. Lombard Street, Oxnard CA 93030 on May 12, 2021 to receive public comments. The 2020 WSCP was adopted on June 9, 2021 during a regularly scheduled board meeting. A copy of the meeting agenda and Board Adoption Resolution for the UWMP and WSCP is included in Appendix C of the UWMP.

Not later than 30 days after filing a copy of its plan with the Department of Water Resources (DWR), the urban water supplier and the DWR shall make the plan available for public review during normal business hours. The adopted 2020 UWMP and WSCP for the OH system will be made publicly available on United's website <a href="https://www.unitedwater.org/">https://www.unitedwater.org/</a>.

# 2020 URBAN WATER MANAGEMENT PLAN FOR UNITED WATER CONSERVATION DISTRICT

Appendix F DWR UWMP Checklist June 8, 2021

# Appendix F DWR UWMP Checklist

### **Appendix F. DWR UWMP Checklist**

This checklist is developed directly from the Urban Water Management Planning Act and SB X7-7. It is provided to support water suppliers (Suppliers) during preparation of their Urban Water Management Plans (UWMP). Two versions of the UWMP Checklist are provided below – the firstone is organized according to the California Water Code (CWC) and the second checklist according to subject matter. The two checklists contain duplicate information and the Supplier should use whichever checklist is more convenient\*. In the event that information or recommendations in these tables are inconsistent with, conflict with, or omit the requirements of the Act or applicable laws, the Act or other laws shall prevail.

Each water supplier submitting an UWMP can also provide DWR with the UWMP location of the required element by completing the last column of either checklist. This will support DWR in its review of these UWMPs. The completed form can be included with the UWMP.

If an item does not pertain to a Supplier, then state the UWMP requirement and note that it does not apply to the Supplier. For example, if a Supplier does not use groundwater as a water supply source, then there can be a statement in the UWMP that groundwater is not a water supply source.

\*For the purpose of United Water Conservation District's (United's) 2020 UWMP, the checklist selected is organized by the CWC.

### **Checklist Arranged by Water Code Section**

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
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	UWMP requirement does not apply to United
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	UWMP requirement does not apply to United
10608.24(a)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Section 5.7	UWMP requirement does not apply to United
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Sections 5.2 and 5.5.7	UWMP requirement does not apply to United

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Chapter 10	Chapter 10
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	Section 5.1
10608.4	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	UWMP requirement does not apply to United
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	Section 2.1

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	Section 2.5.2
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 7.4
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 10.2.1
10621(f)	Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Sections 10.3.1 and 10.4

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10630.5	Each plan shall include a simple description of the supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information.	Summary	Chapter 1	Chapter 1
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Section 3.1
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 3.3
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Sections 3.4
10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Section 3.4	Section 3.4
10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Section 3.4

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10631(a)	Describe the land uses within the service area.	System Description	Section 3.5	Section 3.5
10631(b)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030, 2035, 2040 and optionally 2045.	System Supplies	Section 6.2.8	Section 6.2.8
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Section 6.2
10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought.	System Supplies	Section 6.2	Section 6.2

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System Supplies	Section 6.1	Section 6.1
10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Section 6.1	Section 6.1
10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	Section 6.2.2
10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Section 6.2.2	Section 6.2.2

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	Section 6.2.2
10631(b)(4)(B)	For unadjudicated basins, indicate whether or not the department has identified the basin as a high or medium priority. Describe efforts by the supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	System Supplies	Section 6.2.3	Section 6.2.3
10631(b)(4)(C)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.4	Section 6.2.4
10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Section 6.2	Section 6.2

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long- term basis.	System Supplies	Section 6.7	Section 6.7
10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Section 4.2
10631(d)(3)(A)	Report the distribution system water loss for each of the 5 years preceding the plan update.	System Water Use	Section 4.3	Section 4.3
10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Section 4.2	Section 4.2
10631(e)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	Sections 9.2 and 9.3
10631(e)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	Sections 9.1 and 9.3

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and for a period of drought lasting 5 consecutive water years.	System Supplies	Section 6.8	Section 6.8
10631(g)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Section 6.6
10631(h)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) - if any - with water use projections from that source.	System Supplies	Section 2.5.1	Section 2.5.1
10631(h)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	Section 2.5.1
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	Section 4.5

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10631.2(a)	The UWMP must include energy intensity information as stated in the code.		Section 6.4 and Appendix O	Section 6.4
10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Chapter 8	Chapter 8
10632(a)(2)(A)	Provide the written decision-making process and other methods that the supplier will use each year to determine its water reliability.	Water Shortage Contingency Planning	Section 8.2	Section 8.2
10632(a)(2)(B)	Provide data and methodology to evaluate the supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water Shortage Contingency Planning	Section 8.2	Section 8.2
10632(a)(3)(A)	Define six standard water shortage levels of 10, 20, 30, 40, 50 percent shortage and greater than 50 percent shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water Shortage Contingency Planning	Section 8.3	Section 8.3

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10632(a)(3)(B)	Suppliers with an existing water shortage contingency plan that uses different water shortage levels must cross reference their categories with the six standard categories.	Water Shortage Contingency Planning	Section 8.3	Section 8.3
10632(a)(4)(A)	Suppliers with water shortage contingency plans that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water Shortage Contingency Planning	Section 8.4	Section 8.4
10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Section 8.4	Section 8.4
10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Section 8.4	Section 8.4

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions are appropriate to local conditions.	Water Shortage Contingency Planning	Section 8.4	Section 8.4
10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water Shortage Contingency Planning	Section 8.4	Section 8.4
10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water Shortage Contingency Planning	Section 8.5	Section 8.5
10632(a)(5)(B) 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water Shortage Contingency Planning	Section 8.5, 8.6	Section8.5, 8.6

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Section 8.7	Section 8.7
10632(a)(7)(B)	Provide a statement that the supplier will declare a water shortage emergency Water Code Chapter 3.	Water Shortage Contingency Planning	Section 8.7	Section 8.7
10632(a)(7)(C)	Provide a statement that the supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water Shortage Contingency Planning	Section 8.7	Section 8.7
10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Section 8.8	Section 8.8

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Section 8.8	Section 8.8
10632(a)(8)(C)	Describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought.	Water Shortage Contingency Planning	Section 8.8	Section 8.8
10632(a)(9)	Retail suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water Shortage Contingency Planning	Section 8.9	Section 8.9
10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the water shortage contingency plan to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water Shortage Contingency Planning	Section 8.10	Section 8.10

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water Shortage Contingency Planning	Section 8.11	Section 8.11
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.2	Section 6.2
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2	Section 6.2
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.2	Section 6.2

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.2	Section 6.2
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.2	Section 6.2
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2	Section 6.2
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Chapter 7	Chapter 7

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts 5 consecutive years.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water Supply Reliability Assessment	Section 7.3	Section 7.3

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10635(b)(3)	Include a comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change condition, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(c)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Sections 8.12, 10.4	Sections 8.12, 10.4
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan Preparation	Section 2.6	Section 2.6

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 UWMP Location
10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Sectio ns 10.2.2 , 10.3, and 10.5
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Section 10.2	Section 10.2
10642	Provide supporting documentation that the plan and contingency plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Section 10.3.1
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5

Water Code Section	Summary as Applies to UWMP	Subject	2020 Guidebook Location	2020 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	Sections 10.4.1 and 10.4.2
10645(a)	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5
10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its water shortage contingency plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5

# 2020 URBAN WATER MANAGEMENT PLAN FOR UNITED WATER CONSERVATION DISTRICT

Appendix G Public Comments and List of Changes from Public Draft to Final Draft June 8, 2021

# Appendix G Public Comments and List of Changes from Public Draft to Final Draft

Ventura County Comments	Response	Location
It might be beneficial for UWCD to include a section pertaining to planned developments		
and any future water-intensive projects associated with UWCD or its recipient water	This comment did not require substantial changes to the Plans and it was addressed	Section 3.4.1 has been
suppliers that could increase demand over the next five years.	where necessary with additional background and informational text.	updated
Section 4.4 is titled "Water Use for Lower Income Households", and states that "This		
section is not applicable to wholesale agencies." Is this section inclusive of low-income	This comment did not require substantial changes to the Plans and it was addressed	
housing developments?	where necessary with additional background and informational text.	Section 4.4
Clarify why UWCD does not plan to proceed with the Alternative Supply Assurance		
Pipeline (ASAP) and any challenges or drawbacks associated with the project (Section	This comment did not require substantial changes to the Plans and it was addressed	
6.1.1.2).	where necessary with additional background and informational text.	Section 6.1.1.2
The cross-sections provided in Figure 6-2 could include the twelve (12) groundwater		
extraction wells used by the OH system, or an additional cross-section of the wells could	This comment did not require substantial changes to the Plans and it was addressed	Section 6.2.2.1 Figure 6-
be added to Figure 6-3 to serve as a visual reference.	where necessary with additional background and informational text.	3 added to show wells
Clarify if there are projects in development to connect the City of Oxnard Advanced Water		
Purification Facility (AWPF) to the Pumping Trough Pipeline (PTP), for distribution of		
recycled water to agricultural users. If not, please clarify any obstacles or impediments	This comment did not require substantial changes to the Plans and it was addressed	
and/or plans to mitigate these (Section 6.2.5).	where necessary with additional background and informational text.	Section 6.1.1.2
Are there any potential limitations to State Water Project (SWP) water deliveries to UWCD		
noted in the draft 2020 Urban Water Management Plan for Santa Clarita Valley Water	This comment did not require substantial changes to the Plans and it was addressed	
Agency (SCV Water)?	where necessary with additional background and informational text.	Section 6.2.1
In Sections7.2.3.2,7.2.3.3,7.2.4 and7.3.2.1 the UWMP redundantly states that "the	This comment did not require substantial changes to the Plans and text was not	Sections 7.2.3.2;
FCGMA has adopted an ordinance to establish an allocation system for the Oxnard and	modified due to the importance that the FCGMA allocation ordinance has on projected	7.2.3.3; 7.2.4 and
Pleasant Valley Groundwater Basins " Consider revising redundant text.	supplies.	7.3.2.1
	This comment did require additional information to be provided, and these changes	
Will annualWater Supply and Demand Assessments be available for public comment and review prior	were implemented to Section 8.2 of the UWMP as well as the Annual Water Supply and	
to being published (Section 8.2)?	Demand Assessment Procedures Section in the WSCP.	Section 8.2
Will the WSCP be certified by a Professional Engineer, to assess and qualify the Seismic	This comment did not require substantial changes to the Plans and was not necessary to	
Risk Assessment and Mitigation Plan Section?	address. The WSCP is not required to be certified by a Professional Engineer.	WSCP
	, , ,	
Public Comments	Response	Location
		•

The Final figures utilized a different basemap that does not have the potential issues.

A single comment was made verbally to staff regarding several features potentially misrepresented in

the basemap of the Draft figure maps

All Figures



# WATERSHED PROTECTION

# MEMORANDUM

DATE:

May 11, 2021

TO:

Anthony Ciuffetelli, Planner, Planning Division

FROM:

James Maxwell, Groundwater Specialist, Water Resources Division

SUBJECT:

RMA 21-008 – 2020 Urban Water Management Plan for United Water

**Conservation District** 

The Ventura County Public Works Agency, Water Resources Division (VCWRD) reviewed the documents submitted by United Water Conservation District.

# DESCRIPTION

United Water Conservation District's (UWCD) 2020 Draft update of the Oxnard Hueneme (OH) System Urban Water Management Plan (UWMP) and Draft 2020 Water Shortage Contingency Plan (WSCP).

# **DRAFT UWMP COMMENTS**

It might be beneficial for UWCD to include a section pertaining to planned developments and any future water-intensive projects associated with UWCD or its recipient water suppliers that could increase demand over the next five years.

Section 4.4 is titled "Water Use for Lower Income Households", and states that "This section is not applicable to wholesale agencies." Is this section inclusive of low-income housing developments?

Clarify why UWCD does not plan to proceed with the Alternative Supply Assurance Pipeline (ASAP) and any challenges or drawbacks associated with the project (Section 6.1.1.2).

The cross-sections provided in Figure 6-2 could include the twelve (12) groundwater extraction wells used by the OH system, or an additional cross-section of the wells could be added to Figure 6-3 to serve as a visual reference.

Clarify if there are projects in development to connect the City of Oxnard Advanced Water Purification Facility (AWPF) to the Pumping Trough Pipeline (PTP), for distribution of recycled water to agricultural users. If not, please clarify any obstacles or impediments and/or plans to mitigate these (Section 6.2.5).

RMA 21-008 UWMP for UWCD May 11, 2021 Page 2 of 2

Are there any potential limitations to State Water Project (SWP) water deliveries to UWCD noted in the draft 2020 Urban Water Management Plan for Santa Clarita Valley Water Agency (SCV Water)?

In Sections 7.2.3.2, 7.2.3.3, 7.2.4 and 7.3.2.1 the UWMP redundantly states that "the FCGMA has adopted an ordinance to establish an allocation system for the Oxnard and Pleasant Valley Groundwater Basins…" Consider revising redundant text.

Will annual Water Supply and Demand Assessments be available for public comment and review prior to being published (Section 8.2)?

# **DRAFT WSCP COMMENTS**

Will the WSCP be certified by a Professional Engineer, to assess and qualify the Seismic Risk Assessment and Mitigation Plan Section?

#### **UWCD 2020 UWMP updates from Public Draft to Final Draft**

#### General UWMP:

- Basemap for all map Figures updated
- Freeman Diversion location for all map Figures updated
- Date, titles, headings and footers all updated to Final notes for Public Draft removed
- Abbreviations updated
- Appendix added for public comments and Final Draft list of changes

#### **UWMP Section 3.4**

 Population updated to reflect 2020 Public Draft PHWA UWMP projections and current Mutual Water Companies' numbers

#### UWMP Section 4.1

Recycled water description updated

#### UWMP Section 4.2

- 2025 projected demands not based on 2011 to 2020 use (11,851)
- Added test to retail description in notes of Table 4-2: In accordance with the OH Users
  agreement and United's Board Policy for the OH System, United will coordinate with FCGMA
  and the OH Users to reduce allocations imposed by FCGMA to users.
- Losses not based on AWWA worksheets

#### **UWMP Section 4.4**

• Added further description to Water Use for Lower Income Households

#### **UWMP Section 5**

• Headings changed to match DWR final table

#### **UWMP Section 6.2**

- Added some additional project background and information to help describe the current AWPF to PTP recycled water potential
- Changed FCGWMA to FCGMA
- Groundwater UAS sustainability yield updated to 39,000 AFY
- 600 AF for Oxnard changed from emergency to temporary allocation transfer
- Added description as to why no current plans for ASAPP, removed from planned sources of water (section 6.1)
- FERC license description added
- SCV Water name updated for consistency

#### **UWMP Section 7.2**

Water quality report link updated

#### **UWMP Section 8.1**

• Added additional information relating to the summary of the Water Supply Reliability Analysis

#### **UWMP Section 8.2**

• Annual water supply and demand assessment procedures text improved and summarized, with further details noted to be located in the WSCP

#### **UWMP Section 10**

- Table and wording finalized for public notices sent
- Section 10.4 details added

### **UWCD 2020 WSCP updates from Public Draft to Final Draft**

#### General WSCP:

 Annual water supply and demand assessment procedures further defined and detailed; graphic added