UNITED WATER CONSERVATION DISTRICT'S OXNARD-HUENEME SYSTEM

ANNUAL SUPPLY AND DEMAND ASSESSMENT COVERING:

JULY 2024 TO JUNE 2025

United Water Conservation District

July 2024

United Water
CONSERVATION DISTRICT

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EXECUTIVE SUMMARY

United Water Conservation District (United or District) operates the Oxnard-Hueneme (OH) System, a potable water supply system, located within Ventura County. California Water Code (CWC) defines the OH System as a wholesale urban water supplier, due to the system serving at least 3,000 acre-feet per year (AFY) of potable water indirectly to consumers. The CWC states that on or before July 1 of each year, urban water suppliers shall prepare and submit an Annual Water Supply and Demand Assessment Report (Annual Assessment) to the California Department of Water Resources (DWR). The Annual Assessment must look at estimated available supplies and demands for the next year, with the reporting period asked by DWR to analyze being July 1 of the current year to June 30 of the following year (i.e., California fiscal year reporting).

The existing supply source of water for the United's OH System is groundwater production within the Oxnard subbasin (referred to as "basin"), and this water supply is regulated by the Fox Canyon Groundwater Management Agency (FCGMA). Currently, the OH System has its full allocation of 14,337 AFY for available supply, and no allocation reductions have been indicated by FCGMA. Demand by the OH System users is estimated to be up to the full allowable allocation.

The OH System has the capacity to extract, treat, and deliver more than the full allowable allocation. Because of this capability and available supply, if needed, no water shortage was calculated for the OH System over the Annual Assessment reporting period from July 1, 2024 to June 30, 2025. However, volumes extracted beyond the OH System's allocated amount would be subject to penalties imposed by the FCGMA to the OH System. In this case, United would apply surcharges in excess of the OH System users' individual suballocations.

1 INTRODUCTION AND BACKGROUND

United Water Conservation District (United or District) is a public agency established in 1950 and located in Ventura County, California, with the mission to better manage, protect, and enhance water supplies in the Santa Clara River Valley and on the Oxnard Plain. As part of its mission, United operates the Oxnard-Hueneme (OH) System, a potable water supply system. Through the OH System, United provides the community with a reliable local groundwater source and potable water supply. The OH System improves sustainability of the groundwater basin by shifting groundwater extractions that support the regional coastal communities further inland and offsetting pumping activities that would otherwise be closer to the coast, where seawater intrusion remains a problem. Additionally, the OH System allows the region to be less dependent on water from the State Water Project (SWP).

1.1 PREVIOUS AND CURRENT REPORTING REQUIREMENTS

In accordance with the California Water Code (CWC) Sections 10610 through 10656 and Section 10608 of the Urban Water Management Planning Act, United prepares an Urban Water Management Plan (UWMP) every five (5) years, and files the plan with the California Department of Water Resources (DWR). In June of 2021, United completed, adopted, and filed the OH System's UWMP Update for the year 2020 with DWR (2020 UWMP Update; Stantec, 2021a). As part of the 2020 UWMP Update, the CWC called for a Water Shortage Contingency Plan (WSCP) to also be adopted and filed with DWR in addition to the 2020 UWMP Update (Stantec, 2021b). Following minor corrections requested by DWR (Stantec, 2022; minor formatting changes for two tables), United was notified by DWR in May of 2022 that the 2020 UWMP [and WSCP] addressed the requirements of the CWC. Prior to the 2020 UWMP Update, the WSCP was one chapter included within the UWMP. With the documents now being separated, as required by the State, the goal is for the WSCP to be more adaptable to any necessary changes on a continuous basis. As part of the new WSCP requirements for the 2020 UWMP Update cycle, Section 10632 of the CWC states that on or before July 1 of each year, each Supplier shall prepare and submit an Annual Water Supply and Demand Assessment Report (Annual Assessment) to DWR:

California Water Code

CWC §10632.1

An urban water supplier shall conduct an annual water supply and demand assessment pursuant to subdivision (a) of Section 10632 and, on or before July 1 of each year, submit an annual water shortage assessment report to the department with information for anticipated shortage, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the supplier's water shortage contingency plan. An urban water supplier that relies on imported water from the State Water Project or the Bureau of Reclamation shall submit its

annual water supply and demand assessment within 14 days of receiving its final allocations, or by July 1 of each year, whichever is later.

The goal for the Annual Assessment is to determine the near-term outlook for supplies and demands and how a perceived shortage may relate to WSCP response actions. United has followed DWR guidance regarding the reporting of the Annual Assessment (DWR, 2022; DWR, 2024b) and has reported all required data in the formatted tables that were provided by DWR staff (DWR, 2024c). The assessment period that has been recommended by DWR staff is from July 1 of the current year to June 30 of the following year, and this is the period that United has chosen to use for its Annual Assessments. In addition to preparation of this report, DWR further requires that electronic reporting be completed through an online portal that has tables in the same format that they provided for the preparation of this report. United met the electronic reporting requirement for this Annual Assessment, covering July 1, 2024 to June 30, 2025, submitting this report to DWR on July 1, 2024.The Annual Assessment information that is required to be reported to DWR is provided in Table 1.

1.2 DECISION MAKING PROCESS

As outlined in the United's WSCP (Stantec, 2021b), the Annual Assessment uses key data inputs from the FCGMA and OH System users to determine available water supply and demand for the reporting period. The Annual Assessment findings are provided to the relevant committee and/or Board of Directors 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" of United's WSCP (Stantec, 2021b). Figure 1-1 shows an Annual Assessment Sample Timeline.

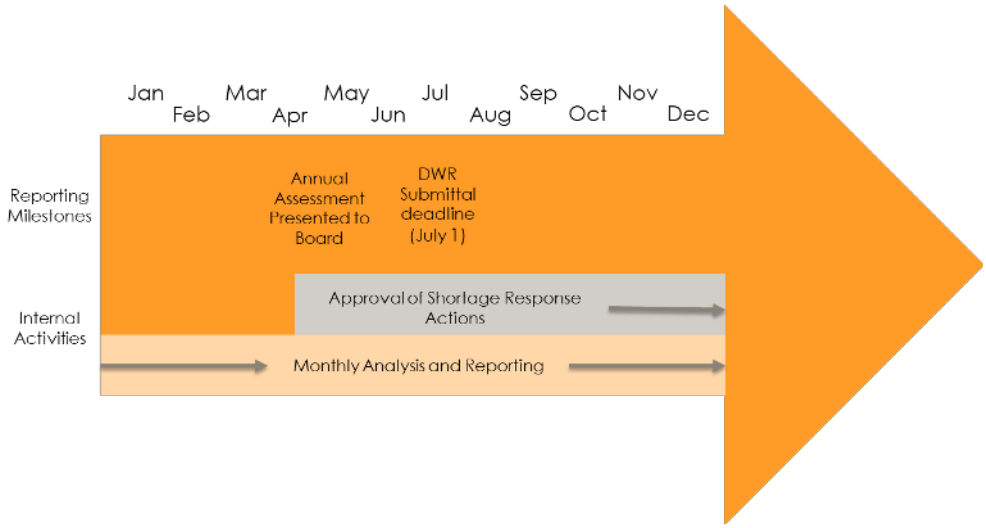

Figure 1-1: Annual Assessment General Timeline

2 KEY DATA INPUTS AND ASSESSMENT METHODOLOGY

In accordance with the CWC (§10632[a][2]), the key data inputs for the Annual Assessment include: 1) evaluation criteria used for the Annual Assessment, 2) a description and quantification of each source of water supply, 3) the projected demand for the OH System, 4) the projected available supply for the OH System considering hydrological and regulatory conditions in the current year and one dry year, and 5) existing infrastructure and plausible constraints. Each of these components is presented in the following sub-sections.

2.1 EVALUATION CRITERIA

United staff use key data inputs related to projected demands and supply in order to evaluate supply reliability of the OH System for its Annual Assessments. The most crucial information for OH System is the information regarding the allocation determined by the regulatory agency for groundwater extractions from the Oxnard basin, the FCGMA, which serves as the Groundwater Sustainability Agency (GSA) for the Oxnard basin. As allocation changes are implemented or stages of water shortage are declared by the FCGMA, the District will inform OH System users of those changes for implementation or notice and the District will continue to monitor metered water deliveries on a monthly basis. 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.

The following steps can be used to guide the Annual Assessment process:

1. *United intends to begin performing the Annual Assessment for the OH System, beginning in March of each year starting from 2022. If hydrologic and/or regulatory conditions warrant beginning earlier, then Staff will do so as needed.*

2. *Staff will take into consideration any updated guidance documentation that the California Department of Water Resources releases prior to Annual Assessment reporting. Additionally, staff will take into consideration any proclamation, mandate, order, or similar action and requirements imposed by the County or State related to water use.*

3. *Staff will estimate the projected demands for the reporting period based on a) current FCGMA allocations, b) possible notices made by FCGMA relating to future changes to groundwater extraction allocations, c) communication with OH System users, d) changes in additional or alternative supply sources available to some OH Users (e.g. availability of SWP allocations made by DWR), and e) any additional requirements made by the County or State.*

4. *Staff will estimate the projected available supply volume for the reporting period based on a) current FCGMA allocations, b) possible notices made by FCGMA relating to future*

changes to groundwater extraction allocations, c) current infrastructure considerations, including if any planned maintenance or anticipated water quality limitations that would reduce the available supply, and d) any additional requirements made by the County or State.

5. *Staff will compare total projected demands to total available supply in order to determine if there is surplus or shortage. If there is a shortage, the percentage of deficit will be calculated and related to the shortage stage levels in the WSCP. Staff will assess if there is a need to implement the WSCP and the corresponding shortage state level response actions.*

6. *Staff will meet with OH System users at an OH System Users meeting, which is typically held annually within the months of March – May, and allows for the presentation on any relevant requirements and planning updates.*

7. *Staff will compile the Annual Assessment findings and provide the information to the relevant committee and/or Board of Directors. Staff will determine if a supply shortage exists, or is anticipated, and if any shortage response actions are necessary. If not already performed, the District will inform OH System Users of any shortage level change and planned shortage response actions.*

8. *Staff will submit the Annual Assessment report and related electronic data to DWR on or before the July 1 deadline each year.*

2.2 WATER SUPPLY SOURCE DESCRIPTION

The existing supply source of water for United's OH System is groundwater production within the Oxnard basin (formally considered a "subbasin" for the Santa Clara River Basin, but referred to as a "basin" for this document) via 12 groundwater production wells, with nine wells producing from the Upper Aquifer System (UAS) and three wells producing from the Lower Aquifer System (LAS); see Section 6.2 in United's 2020 UWMP Update [Stantec, 2021a] for more details. The groundwater basin is managed by the FCGMA which sets allocations for each pumper. As described in Chapter 6 of United's 2020 UWMP Update, *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the Groundwater Sustainability Plan (GSP) adopted by the FCGMA (2019), meeting the requirements of the Sustainable Groundwater Management Act of 2014 (https://water.ca.gov/programs/groundwater-management/sgma-groundwater-management; last accessed on May 11, 2023). Based on groundwater production records from 2005 through 2014, FCGMA established an allocation of 14,337 AFY for United's OH system. The allocation for the OH System is applied to the entire El Rio well field rather than assigning specific allocations to individual wells. The FCGMA's update of their *GSP Implementation Timeline for the Oxnard Subbasin and Pleasant Valley Basins* in a March 2022 staff report showed that "Allocation Ramp-Down Planning (as warranted)" may occur between Quarter 4 (October) of 2022 through Quarter 4 (December) of 2023 (FCGMA, 2022). Ramp-Down Planning did not occur during that period,

and FCGMA is currently working to develop 5-year updates to the GSPs. No further discussions by FCGMA regarding the planning activity have occurred, no ramp-down implementation during the Annual Assessment reporting period (July 1, 2024 to June 30, 2025) has been projected for the OH System's demand or supply.

It is noted here that the absence of allocation ramp-down implementation is different from the projections for water demand and supply that were estimated in the United's 2020 UWMP Update. In that planning, ramp-down implementation was anticipated to begin in October of 2021. Without the ramp-down implementation, there is more water projected to be extracted (supply) and used (demand) during the current Annual Assessment reporting period than what was projected in United's 2020 UWMP Update.

Related to continuous analysis for water supply conditions for the OH System, United performs monthly analysis and reporting of hydrologic conditions across the District through the preparation and submission of the Monthly Hydrologic Conditions Reports, prepared by the Water Resources Department, to United's Board of Director's each month. These Monthly Hydrologic Conditions Reports are also publicly available on United's website (https://www.unitedwater.org/key-documents/#groundwater-conditions under the "Hydrologic" tab). Data related to the OH System includes the monthly deliveries of extracted groundwater to the OH System, water level records of key monitoring wells across the Oxnard basin, available storage within the unconfined portion of the Oxnard basin (the Oxnard Forebay area), as well as water quality trends (Nitrate concentrations) for the UAS wells in the El Rio well field for the OH System.

2.3 UNCONSTRAINED DEMAND

Unconstrained demand is water demand absent any water supply and demand restrictions (DWR, 2022b). As mentioned above, FCGMA's update of their *GSP Implementation Timeline for the Oxnard Subbasin and Pleasant Valley Basin* in a March 2022 staff report showed that "Allocation Ramp-Down Planning (as warranted)" may occur between Quarter 4 (October) of 2022 through Quarter 4 (December) of 2023 (FCGMA, 2022). Ramp-Down Planning did not occur during that period, and FCGMA is currently working to develop 5-year updates to the GSPs. No further discussions by FCGMA regarding the planning activity have occurred, no ramp-down implementation during the current Annual Assessment reporting period (July 1, 2024 to June 30, 2025) has been projected for the OH System's unconstrained demands. Therefore, the OH System's unconstrained demands for the reporting period is projected to be the full allocation amount of 14,337 AF available to the OH System.

Water demands over the reporting period as well as the previous four years are provided in Table 2, with the total annual values for the reporting year representing the full allocation for the OH System. Last year's total demand (July 2023 – June 2024) is currently complete through April of 2024. Considering the average monthly usage for the May and June of the prior three years, total

demands for last year are anticipated to be approximately 11,000 AF, which is below the annual allocation of 14,337 AF. Volumes extracted beyond the OH System's allocated amount would be subject to penalties imposed by FCGMA to the OH System. In this case, United would apply surcharges in excess of the OH System users' individual suballocations. It is noted here that this Annual Assessment reporting is completed for the July – June period, but the FCGMA allocation period is implemented over the water year (October – September). The total over each period is expected to be similar, but not exactly the same, due to monthly variability.

The OH System water is an important source for the water mutuals as well as the larger OH System users that also have SWP allocations as water sources (City of Oxnard and Port Hueneme Water Agency). In order to improve overall water quality for their retail customers, and to satisfy their demands, both the City of Oxnard and Port Hueneme Water Agency blend delivered OH System groundwater that is higher in total dissolved solids with imported SWP water they receive from Calleguas Municipal Water District. The SWP allocations for 2024 have currently been stated to be at 40% of the SWP contractors' maximum amount for all Southern California contractors (DWR, 2024a). This is a decrease over the previous year's Annual Assessment reporting period (July 1, 2023 – June 30, 2024) SWP allocations, which was 100% of SWP contractors' maximum amount for 2023 (DWR, 2023). With the reduced availability of SWP, it is expected that OH System users' total demands for the current reporting period will increase at least slightly compared to last year's total demands and fall within the range of last year's total demands and the OH System's total allocation. Following significant drought conditions and imposed water restrictions, it is not uncommon for water use to remain lower due to water conservation habits continuing. Because of this, it is uncertain how much of an increase in demand on the OH System, or if any increase in demand on the OH System will occur in the next year.

Finally, related to demands, it should be noted that the State Water Resources Control Board (SWRCB or Water Board) Division of Drinking Water (DDW) has been encouraging some smaller and older water mutuals to explore potential for joining the OH System. The older and shallower wells that are typically relied upon by these mutuals are especially at risk for elevated nitrates, similar to older and shallower UAS wells used to supply the OH System (see Section 2.4.3). However, the OH System is actively enhancing its resiliency through significant capital improvement projects (see Section 2.4.3) and has significant available production capacity to accommodate the relatively minimal increase that a mutual would be expected to account for. If any mutual were to approach United to become a new OH System User, coordination with necessary agencies would be performed. Generally, it is expected that a given mutuals' FCGMA allocation, or portion of allocation, would be transferred to the OH System.

United's Board of Directors approved an Emergency Contractor Agreement with California American Water (CalAm) in September 2021 to provide additional system reliability to two mutuals in the El Rio area. CalAM operates the two mutuals; Rio Plaza and Vineyard Avenue Acres. The Emergency Contractor Agreement that was fully executed in February 2024 allows CalAm to establish connections to the OH System (OH pipeline) for emergency supply, excluding fire flows.

CalAm is currently planning to start construction of the emergency connections to the OH System. The District and CalAM are closely coordinating the construction activities that require a temporary short-term shutdown of the OH pipeline in November 2024. The OH pipeline shutdown will be closely coordinated with the OH System users and notifications to the OH System users will be issued at a minimum two weeks prior to the scheduled shutdown.

2.4 AVAILABLE SUPPLY

Similar to projected demands, no ramp-down implementation during the Annual Assessment reporting period (July 1, 2024 to June 30, 2025) has been projected for the OH System's available supply, and the OH System's available supply for the reporting period is projected to be the full allocation amount of 14,337 AF. Water supplies for the reporting period are provided in Table 3.

The OH system is physically robust enough to function during periods of drought, yet limitations related to regulatory requirements related to water quality issues that can arise during drought reduce the robustness. However, actions are currently underway that are increasing the resiliency of the OH System as well as the regional water supplies, as discussed below. The following sub-sections 1) overview the legal authority limitations that United has in regard to enforcement of water use 2) overview the status of project planning and implementation that will help groundwater users within the Oxnard basin achieve sustainability and 3) overview of existing infrastructure and ongoing improvements that will increase the resiliency of the system.

2.4.1 ENFORCEMENT LIMITATIONS

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. As a wholesale urban water supplier, United does not have the authority, or requirements, that retail urban water suppliers have related to compliance and enforcement of water shortage response actions.

2.4.2 PROJECTS TO MEET SUSTAINABILITY IN OXNARD BASIN

The FCGMA's GSP for the Oxnard basin was submitted to DWR in January of 2020. Within that planning document, the sustainable yield of the Oxnard basin was estimated to be approximately 39,000 AFY (Dudek, 2019). However, the average annual groundwater extractions from the Oxnard basin over the 2005-2014 allocation period was approximately 77,000 AF. Therefore, it was contemplated in the GSP that a linear ramp-down may be necessary to reach sustainable conditions in the Oxnard basin by the end of water year 2040. Alternatively, building additional water supply projects in order to increase sustainable yield in the basin is also an option, and one that many users in the region likely find more appealing. In FCGMA's annual report for the Oxnard

basin that summarizes the Water Year 2021 conditions (Dudek, 2022; October 1, 2020 to September 30, 2021), FCGMA included twelve additional projects proposed by United and other regional agencies, that are either in planning or construction phases, to be appended to the Oxnard basin GSP in addition to the limited number of projects that were already included in their initial GSP. Several of these projects are expected to increase the sustainable yield of the Oxnard basin significantly before 2040, and in doing so would eliminate or greatly reduce the need to implement ramp-downs for groundwater extraction. Appendix A.1 through A.12 of FCGMA's Annual Report for Water Year 2021 (Dudek, 2022) detailed the ongoing development of projects across the region. Additionally, United has also been working to evaluate several of the projects with numerical modeling and has summarized some of the projects and some expected benefits to the Oxnard basin in a recent report (UWCD, 2022). As mentioned previously, FCGMA is currently developing 5-year updates to the GSP. Revisions to their proposed projects will be captured in the Annual Reporting that will be required next year, due to DWR on or before July 1, 2025.

2.4.3 EXISTING INFASTRUCTURE CAPABILITIES AND CONSTRAINTS

United's OH System is supplied by groundwater that is extracted from the Forebay area of the Oxnard basin via 12 groundwater production wells, called the El Rio well field. Nine wells produce from the UAS and three wells produce from the LAS. As stated before, the OH System is physically robust to climate/drought, however, water quality issues in the UAS, particularly elevated nitrate concentrations, can arise during drought conditions and associated depressed water levels in the Forebay area. Water quality in public water systems is regulated by the Water Board's DDW, which sets a Primary and Secondary Maximum Contaminant Level (MCL) for various constituents (UWCD, 2016; Water Board, 2018). Primary MCLs are implemented to address health concerns, while secondary MCLs are implemented to address aesthetics, such as taste, odor, and color. MCLs set by the State meet or exceed the MCLs set at the federal level. The Water Board has set a primary MCL of 10 mg/L for nitrate as nitrogen (N). The Primary Drinking Water Standard for Nitrate as N is 10 mg/L. Individual wells may exceed the MCL provided that the treatment plant effluent remains below the MCL. Individual wells are monitored on a weekly basis while the plant effluent is monitored daily. When nitrate concentrations are too high in United's UAS production wells, the high-nitrate wells can be taken off-line in favor of better quality UAS wells, or the LAS wells can be used if needed. Nitrate concentrations in the LAS wells are consistently low (< 2 mg/L nitrate-N), however the cost of the produced water is higher due to the higher lift costs and the need to remove iron and manganese (UWCD, 2021).

In addition to nitrate water quality concerns in the UAS, the LAS wells utilized for the OH System have elevated concentrations of naturally occurring iron (Fe) and manganese (Mn), which are currently listed as secondary MCLs (Water Board, 2018; 0.3 mg/L and 0.05 mg/L for Fe and Mn, respectively). Similar to methods of addressing nitrate issues in the UAS source water, LAS water is blended with UAS water in order to meet the secondary MCL for Fe and Mn when the LAS

wells are needed. In order to further improve the robustness and resiliency of the OH System sources of groundwater, an iron and manganese treatment facility for the OH System has been constructed and has been operating since April 10, 2024.The filtration process removes elevated iron and manganese from the LAS well water such that the treated water can be blended with UAS well water to maintain low nitrate levels in delivered water.

The El Rio well field is currently using UAS wells as the primary source of water and LAS wells as a secondary and supplemental source of water. The LAS wells have been operated during the start-up and commissioning period for the iron and manganese treatment facility. Since July 1, 2023, there have been three planned shutdowns that resulted in one to two-day periods of limited deliveries to mutual water companies only. One planned shutdown is expected during the upcoming reporting period (July 1, 2024 to June 30, 2025).

2.4.4 REGULATORY CONSIDERATIONS

With no changes made by FCGMA in the past year, and no changes anticipated in the near future, the OH System continues to have the ability to extract the full allocated amount of groundwater from the Oxnard basin without being subjected to penalties imposed by FCGMA. The OH System has the capacity to extract, treat, and deliver more than the full allocation. However, volumes extracted that are more than the OH System's allocated amount (14,337 AF) would result in penalties imposed by FCGMA to the OH System, and OH Users would be billed by United for surcharges related to the volumes demanded in excess of their suballocations.

3 SHORTAGE ASSESSMENT

Considering the available supply (Section 2.4) and unconstrained demand (Section 2.3), no shortage is anticipated to occur during the reporting period for this Annual Assessment (July 1, 2024 to June 30, 2025). The potable water shortage assessment is provided in Table 4(P). For completeness, the non-potable water shortage assessment is provided in Table 4(NP), however, there are no projected non-potable demand or supplies for the OH System.

4 ACTIONS

Considering the data evaluated for this Annual Supply and Demand Assessment, no shortage is calculated to occur for the OH System during the reporting period for this Annual Assessment. As such, no notable actions are planned to occur over the July 1, 2024 to June 30, 2025 reporting period.

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FCGMA (Fox Canyon Groundwater Management Agency), 2022; Board of Director's Meeting Packet Agenda Item 4 GSP Implementation Timeline for the Oxnard Subbasin and Pleasant Valley Basin , March 23, last accessed on May 11, 2023 at https://ventura.primegov.com/Public/CompiledDocument/19255

Stantec, 2021a; 2020 Urban Water Management Plan for United Water Conservation District; June, last accessed on May 11, 2023 at https://www.unitedwater.org/wp-content/uploads/2021/07/UWCD_2020_UWMP_Final-06-08-2021.pdf

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TABLES

Table 1. Annual Assessment Information	
Type of Supplier (Required to check one or two)	
Supplier is a Wholesaler	☑
Supplier is a Retailer	☐
If you are both a wholesaler and retailer, will you be submitting two separate reports or a combined report?	
Year Covered By This Shortage Report (Required)	
Start: July 1,	2024
End: June 30,	2025
Volume Unit for Reported Supply and Demand: *(Must use the same unit throughout)*	AF
Supplier's Annual Assessment Planning Cycle (Required)	
Start Month:	JULY
End Month:	JUNE
Data Interval:	Annually (1 data point per year)
Water Supplier's Contact Information (Required)	
Water Supplier's Name:	United Water Conservation District
Contact Name:	Zachary Hanson
Contact Title:	Water Resources Engineer
Street Address:	1701 N. Lombard St., Suite 200, Oxnard, CA
ZIP Code:	93030
Phone Number:	(805) 525-4431
Email Address:	zhanson@unitedwater.org
Report Preparer's Contact Information *(if different from above)*	
Supplier's Water Shortage Contingency Plan	
WSCP Title	United Water Conservation District Water Shortage Contingency Plan
WSCP Adoption Date	6/9/2021

	= From prior tables
	= Auto calculated

Table 2: Water Demands[1]

Use Type			Start Year:	2024	Volumetric Unit Used[2]:	AF							
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 (Add additional rows as needed)	Additional Description (as needed)	Level of Treatment for Non-Potable Supplies **Drop-down list**	Projected Water Demands - Volume											
			Jul	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun[3]**	**Total by Water Demand Type**
Demands Served by Potable Supplies														
Sales to other agencies													13939	13939
Losses													398	398
Total by Month (Potable)			0	0	0	0	0	0	0	0	0	0	0	14337	14337
Demands Served by Non-Potable Supplies														
Total by Month (Non-Potable)			0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
United Water Conservation District is a wholesale provider. The values "Sales to other agencies" and "losses" are identical to the values presented in the 2020 UWMP. Fox Canyon Groundwater Management Agency (FCGMA) defined allocation based on 2005 – 2014 pumping and water deliveries. The entire Oxnard Hueneme (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 a supply to the other agencies. No non-potable demands are projected.

Total demand from five years ago (July 2019 – June 2020; not show in this annual report Table 2) was reduced due to active allocation reductions that were implemented by FCGMA. The new allocations were implemented in late 2019, resulting in an increase in total demand three years ago. Last year's total demand (July 2023 – June 2024) is currently complete through April of 2024. Considering the average monthly usage for the months of May and June of the prior three years, total demands for last year are anticipated to be approximately 11,000 AF, below the annual allocation of 14,337 AF. Demanded volumes more than the allocated amount (14,337 AF) would result in penalties imposed by FCGMA to the OH System Users that demand more than allocated. It is noted here that this Annual Assessment reporting is done for the July – June period, but the FCGMA allocation period is implemented over the water year (October – September). The total demands over each period are expected to be similar, but not exactly the same, due to monthly variability.

July 2020 - June 2021 demands excluded Transfer of Temporary Extraction Allocation (approved by FCGMA) of 600 AF to the City of Oxnard between July 1 and September 30, 2020.

[1]Projections are based on best available data at time of submitting the report and actual demand volumes could be different due to many factors.
[2]Units of measure (AF)
[3]Per DWR Guidance for Annual reporting, suppliers "report their single annual aggregate number for their estimated annual total demand in the last cell (the cell for the month of June)" (DWR, 2022).

Table 2: Water Demands[1] (continued)

Optional (for comparison purposes)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Last year's total demand (**July 2023 - June 2024**)	943	728	818	1,066	1,221	842	609	718	962	766	--	--	8,674
Two years ago total demand (**July 2022 - June 2023**)	813	893	1,028	836	818	713	643	700	731	986	1,175	1,233	10,570
Three years ago total demand (**July 2021 - June 2022**)	1,233	1,260	1,238	1,498	1,346	1,161	1,149	994	1,211	1,074	1,131	864	14,159
Four years ago total demand (**July 2020 - June 2021**) [**see Notes**]	1,331	1,089	1,152	1,503	1,296	1,063	936	1,012	1,107	1,003	1,276	1,187	13,956

	= From prior tables
	= Auto calculated

Table 3: Water Supplies[1]

Water Supply		Start Year:	2024	Volumetric Unit Used[2]:	AF									
Drop-down List May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Detail on Water Supply	Projected Water Supplies - Volume												Water Quality **Drop-down List**	Total Right or Safe Yield* (optional)
		Jul	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun[3]**	**Total by Water Supply Type**	
Potable Supplies															
Groundwater (not desal.)													14337	14337	
Total by Month (Potable)		0	0	0	0	0	0	0	0	0	0	0	14337	14337	0
Non-Potable Supplies															
Total by Month (Non-Potable)		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

The groundwater basin is managed by the Fox Canyon Groundwater Management Agency (FCGMA) who sets allocations for each pumper. As described in Chapter 6 of United's 2020 UWMP Update, *An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins* was adopted pursuant to the GSP established by FCGMA (2019), meeting the requirements of the SGMA of 2014. Based on groundwater production from 2005 to 2014, FCGMA established an allocation of 14,337 AFY for United's OH system. FCGMA's update of their GSP Implementation Timeline for the Oxnard Subbasin and Pleasant Valley Basins in a March 2022 staff report showed that "Allocation Ramp-Down Planning (as warranted)" may occur between Quarter 4 (October) of 2022 through Quarter 4 (December) of 2023 (FCGMA, 2022). Ramp-Down Planning did not occur during that period, and FCGMA is currently working to develop 5-year updates to the GSPs. No further discussions by FCGMA regarding the planning activity have occurred, no ramp-down implementation during the Annual Assessment reporting period (July 1, 2024 to June 30, 2025) has been projected for the OH System's demand or supply. No non-potable supplies are projected.

[1]Projections are based on best available data at time of submitting the report and actual supply volumes could be different due to many factors.

[2]Units of measure (AF).

[3]Per DWR Guidance for Annual reporting, suppliers "report their single annual aggregate number for their estimated annual total demand in the last cell (the cell for the month of June)" (DWR, 2022).

	= Auto calculated
	= From prior tables
	= For manual input

Table 4(P): Potable Water Shortage Assessment[1]	Start Year:	2024	Volumetric Unit Used[2]:	AF								
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun[3]	Total
Anticipated Unconstrained Demand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14337.0	14337.00
Anticipated Total Water Supply	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14337.0	14337.00
Surplus/Shortage w/o WSCP Action	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Surplus/Shortage w/o WSCP Action												0%	0%
State Standard Shortage Level	0	0	0	0	0	0	0	0	0	0	0	0	0
Planned WSCP Actions													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Revised Surplus/Shortage with WSCP												0%	0%

[1]Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.
[2]Units of measure (AF)
[3]Per DWR Guidance for Annual reporting, suppliers "report their single annual aggregate number for their estimated annual total demand in the last cell (the cell for the month of June)" (DWR, 2022).

	= Auto calculated
	= From prior tables
	= For manual input

Table 4(NP): Non-Potable Water Shortage Assessment[1]	Start Year:	2024	Volumetric Unit Used[2]:	AF

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun[3]	Total
Anticipated Unconstrained Demand: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Anticipated Total Water Supply: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Surplus/Shortage w/o WSCP Action: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Surplus/Shortage w/o WSCP Action: Non-Potable													
Planned WSCP Actions													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Revised Surplus/Shortage with WSCP													

[1]Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.
[2]Units of measure (AF)
[3]Per DWR Guidance for Annual reporting, suppliers "report their single annual aggregate number for their estimated annual total demand in the last cell (the cell for the month of June)" (DWR, 2022).

Table 5: Planned Water Shortage Response Actions			July 1, 2024		to June 30, 2025	
Anticipated Shortage Level Drop-down List of State Standard Levels (1 - 6) and Level 0 (No Shortage)	**ACTIONS: Demand Reduction, Supply Augmentation, and Other Actions. (Drop-down List)** These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.	Is action already being implemented? **(Y/N)**	How much is action going to reduce the shortage gap?		When is shortage response action anticipated to be implemented?	
			Enter Amount	*(Drop-down List) Select % or Volume Unit*	*Start Month*	*End Month*
Add additional rows as needed						
0 (No Shortage)	No Actions	Yes	0	AF	July	June
NOTES: No Water Shortage Level is calculated based on the current Annual Demand and Supply Assessment; OH System Users will be informed that the System's total allocation continues to be available.						