1 INTRODUCTION & OVERVIEW

1.1 INTRODUCTION

The California State Legislature passed AB 797, the Urban Water Management Planning Act (Act) of 1983, which became effective January 1, 1984. The Act requires every urban water supplier providing water for municipal purposes to more than 3,000 customers, or supplying more than 3,000 acre-feet of water annually, to prepare and adopt an Urban Water Management Plan (UWMP). The act also requires urban water suppliers to update the UWMP in years ending in five and zero using a 20-to-25-year planning horizon. The Triunfo Water & Sanitation District (District), a water purchaser and provider, fits the defined criteria, and has prepared this UWMP addressing all the requirements set forth in the State of California Water Code Sections 10610 through 10657.

Since its passage, many amendments have been added to the Act. These changes are intended to encourage increased regional planning and the cooperative management of California's most precious commodity - water. As a result, UWMPs have evolved to become:

- Foundation documents and sources of information for Water Supply Assessments and written verification of water supply
- Long range planning documents for water supply
- Source data for the development of regional water plans
- Source documents for cities and counties preparing their general plans
- Key components of Integrated Regional Water Management Plans

For the District, the benefits of updating the UWMP extend beyond legislative compliance. This document is a reference document intended to complement other UWMPs by analyzing conservation issues and the water supply available to the unincorporated community of Oak Park. An effective UWMP aimed at developing a greater level of water conservation, awareness, and reliability requires the coordinated efforts on key tasks by the Department of Water Resources (DWR), Las Virgenes Municipal Water District (LVMWD), Calleguas Municipal Water District (CMWD), and the County of Ventura (County), along with Oak Park residents. This document also summarizes the current and proposed water management activities performed by the District to provide dependable, adequate, and safe water. The UWMP further

identifies proposed projects with a description of resulting water costs, benefits, and implementation schedule.

Specifically, the goals of this plan are to:

- To provide a local perspective on current and proposed water conservation programs
- To review current conservation programs and efforts
- To evaluate potential conservation methods and identify improvements, as appropriate to the District programs
- Provide a general framework for the development of mechanisms for coping with both short-term and long-term deficiencies in regional and/or local water supplies
- To serve as a flexible plan that can be updated periodically to reflect changes in regional and local trends, conditions, and conservation policies (at least once every five years in accordance with Section 10621 and 10644 of AB 797)

In compliance with the State mandate and accordance with the best practices of water management, the District has prepared this UWMP.

1.2 Regulatory Changes

The California Water Code changes since 2015 are summarized below, and details of the changes can be found in the UWMP Guidebook 2020. See Figure 1.2.1 below for a matrix of changes.

- Service Area Socioeconomic Factors CWC Section 10631 (a) and (b)(1) Assembly Bill 1414, Urban Water Management Plans Guidebook 2020, Chapter 3
- Land Use Authority Coordination CWC Section 10631 (a) Assembly Bill 1414, Urban Water Management Plans Guidebook 2020, Chapter 4
- Lay Description CWC Section 10630.5 Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 4
- Quantified Distribution Losses CWC Section 10631 (d) (3) (A) and (C) Assembly Bill 1414, Urban Water Management Plans Guidebook 2020, Chapter 4
- Drought Risk Assessment CWC Section 10635 (b) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 4
- Annual Water Supply and Demand Assessment CWC Section 10632.1 Assembly Bill 1414, Urban Water Management Plans Guidebook 2020, Chapter 4

- Application of DRA and WSCP CWC Section 10631 (b) Assembly Bill 1414, Urban Water Management Plans Guidebook 2020, Chapter 6
- Water Service Reliability CWC Section 10635 (a) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 7
- Key Attributes of Water Supply Reliability CWC Section 10632 (a) (1) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8
- Standard Water Shortage Levels CWC Section 10632 (a) (3) (A) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8
- Shortage Response Actions CWC Section 10632 (a) (4) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8
- Annual Water Supply and Demand Assessment Procedures CWC Section 10632 (a) (2) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8
- Communication Protocols CWC Section 10632 (a) (5) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8
- Monitoring and Reporting Criteria CWC Section 10632 (a) (9) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8
- Reevaluation and improvement Process CWC Section 10632 (a) (10) Senate Bill 606, Urban Water Management Plans Guidebook 2020, Chapter 8

Table 1.2.1 – Requirement Updates Since 2015[1]					
Change Number	**Topic**	**CWC Section**	**Legislative Bill**	**Summary**	**Guidebook Section**
1	System Description	10631(a), 10631(b)(1)	AB 1414	Requires the inclusion of service area socioeconomic information as part of the system description. Some factors may include income and poverty levels, amount of unemployment, major languages spoken or cultural clusters, educational levels, general Health status an age distribution of population served, economic viability and types of non-residential uses, redevelopment and special tax districts, types and proportions of housing, age of buildings, etc.	Chapter 3
2	Water Use Characterization	10631(a)	AB 1414	Suppliers shall coordinate with local or regional land use authorities to determine the most appropriate land uses information for projecting water use in five-year increments, up to the year 2045. The following link can be used for industrial sectors (NAICS): http://www.census.gov/cgi-bin/sssd/naics/naicsrch. The following link can be used for agricultural industrial process water: http://www.census.gov/cgi-bin/sssd/naics/naicsrch.	Chapter 4
3	Water Use Characterization	10630.5	SB 606	Suppliers shall provide a simple lay description of their projected water use for the foreseeable future	Chapter 4
4	Water Use Characterization	10631(d)(3)(A), 10631(d)(3)(C)	AB 1414	Suppliers shall provide quantified distribution system losses for each of the five preceding years and whether or not the state standard was met	Chapter 4

5	Water Use Characterization	10635(b)	SB 606	Both Wholesale and Retail Suppliers shall include a DRA for a drought period that lasts five consecutive water years, starting from the year following the assessment, which would be 2021 for this round of UWMPs. The DRA requires a comparison of water supplies with total projected water use. Therefore, the Supplier must produce a projected water use for the years 2021 through 2025 as part of the water use projections, up to the year 2040.	Chapter 4
6	Water Use Characterization	10632.1	AB 1414	Both Wholesale and Retail Suppliers will have to conduct an annual water supply and demand assessment on or before July 1 of each year, starting in 2022. The annual assessment will include current year unconstrained demand. Suppliers are encouraged to consider unconstrained demand as the expected water use in the upcoming year, based on recent water use, and before any projected response actions a Supplier may trigger under its Water Shortage Contingency Plan.	Chapter 4
7	Water Supply Characterization	10631(b)	AB 1414	The new requirements for a water supply analysis are largely in the application of that analysis to the new Drought Risk Assessment (DRA), Water Shortage Contingency Plan (WSCP), and consideration of climate change in future projections. In this section, the conclusions drawn from the water supply characterization integrate into a specific understanding of a Supplier's new drought risk in the DRA and inform the management and mitigation actions a Supplier must address in the newly required WSCP, along with consideration of climate change and coordination with land use and planning authorities for future projections. For example, an analysis that concludes that a water supply portfolio is reliable under all conditions conceivable may have fewer supply augmentation actions or demand management actions in a WSCP. In this way, the water supply analysis conclusions translate into a realistic DRA and implementable actions listed in the WSCP in the event of water shortage conditions.	Chapter 6

8	Water Service Reliability and Drought Risk Assessment	10635(a)	SB 606	The new UWMP requirements is manifest in the application of new criteria to the Water Use Analysis in Chapter 4, the Water Supply Analysis in Chapter 6, and the resulting water service reliability assessment in this chapter—including the requirement for a five-consecutive dry years analysis compared to the 2015 UWMPs, which included only a three-year analysis. A new DRA is now also required under California Water Code (Water Code) Section 10635, and it must be prepared as a component of the 2020 UWMP. The DRA requires a methodical assessment of water supplies and water uses under an assumed drought period that last five consecutive years. The newly required WSCP is described in Chapter 8. Supply capacity under several scenarios is available in the latest SWP Delivery Capability Report available at: https://water.ca.gov/Library/Modeling-and-Analysis/Central-Valley-models-and-tools/CalSim-2. Weather information is available at: • The National Weather Service Website: https://www.weather.gov/ • California Irrigation Management Information System: https://cimis.water.ca.gov/ Western Regional Climate Center: https://wrcc.dri.edu/ • Western Regional Climate Center: https://wrcc.dri.edu/ Runoff data is available at: • DWR (cdec) https://cdec.water.ca.gov/ • U.S. Geological Survey: https://maps.waterdata.usgs.gov/mapper/?state=ca • Operators of local dams and reservoirs Groundwater information is available at: • Local Groundwater Sustainability Agency • State of California Sustainable Groundwater Management Website: https://water.ca.gov/Programs/Groundwater-Management • California Statewide Groundwater Elevation Monitoring (CASGEM): https://water.ca.gov/Programs/Groundwater-Management/Groundwater-Elevation-Monitoring--CASGEM	Chapter 7

9	Water Shortage Contingency Plan	10632(a)(1)	SB 606	A Supplier's WSCP must include key attributes of its water supply reliability analysis conducted pursuant to Water Code Section 10635.	Chapter 8
10	Water Shortage Contingency Plan	10632(a)(3)(A)	SB 606	A Supplier's WSCP must include six standard water shortage levels corresponding to progressive ranges of up to 10-, 20-, 30-, 40-, and 50-percent shortages and greater than 50-percent shortage.	Chapter 8
11	Water Shortage Contingency Plan	10632(a)(4)	SB 606	A Supplier's WSCP must include locally appropriate "shortage response actions" for each shortage level, with a corresponding estimate of the extent the action will address the gap between supplies and demands.	Chapter 8
12	Water Shortage Contingency Plan	10632(a)(2)	SB 606	A Supplier's WSCP must include procedures for conducting an annual water supply and demand assessment with prescribed elements. Under Water Code Section 10632.1, urban water Suppliers are required to submit, by July 1 of each year, beginning in the year following adoption of the 2020 UWMP, an annual water shortage assessment report to the California Department of Water Resources (DWR).	Chapter 8
13	Water Shortage Contingency Plan	10632(a)(5)	SB 606	A Supplier's WSCP must include communication protocols and procedures to inform customers, the public, and government entities of any current or predicted water shortages and associated response actions.	Chapter 8
14	Water Shortage Contingency Plan	10632(a)(9)	SB 606	A Supplier's WSCP must include monitoring and reporting procedures to assure appropriate data is collected to monitor customer compliance and to respond to any state reporting requirements.	Chapter 8
15	Water Shortage Contingency Plan	10632(a)(10)	SB 606	A Supplier's WSCP must include a reevaluation and improvement process to assess the functionality of its WSCP and to make appropriate adjustments as may be warranted.	Chapter 8

1.3 PLAN ORGANIZATION

The chapters in this UWMP have been organized to correspond to the outline of the California Department of Water Resources' "2020 Urban Water Management Plans Guidebook for Urban Water Suppliers". Additionally, the sequence used to present the information may be different from that shown in the Act in order to present the material in a manner reflecting the unique conditions within the District's service area. This UWMP is organized according to the following chapters:

1

INTRODUCTION & OVERVIEW

Chapter 1 describes the organization of the 2020 UWMP as well as a discussion of the importance and extent of the District's water management planning efforts.

2

PLAN PREPARATION

Chapter 2 describes the District's process of developing the UWMP, including stakeholder involvement and coordination with key stakeholders.

3

SYSTEM DESCRIPTION

Chapter 3 describes the District's service area, which includes the climate and demographics within the area as well as an overview of the area's water system facilities.

4

WATER USE CHARACTERIZATION

Chapter 4 documents historical and projected water use, including use by sector, within the District's service area.

5

SBX7-7 BASELINES, TARGETS, AND 2020 COMPLIANCE

Chapter 5 outlines the baseline and target per capita water use reduction values, demand projection calculations and the method used to develop these projections. This chapter also demonstrates whether or not the City has achieved the 2020 water use target.

6

WATER SUPPLY CHARACTERIZATION

Chapter 6 outlines the sources of water within the District's service area, including documentation regarding wholesale water, groundwater, recycled water, desalination water, and transfer and exchange opportunities.

7

WATER SERVICE RELIABILITY AND DROUGHT RISK ASSESSMENT

Chapter 7 outlines the reliability of the District's water supply and project reliability for the next 20 years. This includes documentation of the three dry year scenarios.

8

WATER SHORTAGE CONTINGENCY PLAN

Chapter 8 outlines the District's Water Shortage Contingency Plan, mandatory prohibitions, penalties or charges for excessive use, revenue and expenditure impacts, and mechanisms to determine reductions in water use.

9

DEMAND MANAGEMENT MEASURES

Chapter 9 describes the water conservation programs implemented by the District in an effort to reduce water usage in the Oak Park service area.

10

PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

Chapter 10 briefly outlines the steps taken to adopt, submit and make the UWMP publicly available. This chapter also discusses the agency's plan to implement the UWMP.

1.4 Coordination

Urban Water Management Planning Act Requirement:

CWC 10608.56

(a) On and after July 1, 2016, an urban retail water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

(c) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for achieving the per capita reductions. The supplier may request grant or loan funds to achieve the per capita reductions to the extent the request is consistent with the eligibility requirements applicable to the water funds.

(e) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval documentation demonstrating that its entire service area qualifies as a disadvantaged community.

(f) The department shall not deny eligibility to an urban retail water supplier or agricultural water supplier in compliance with the requirements of this part and Part 2.8 (commencing with Section 10800), that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the requirements of this part or Part 2.8 (commencing with Section 10800).

The District ensured that the 2020 UWMP was completed and submitted in accordance with CWC 10608.56 sections a, c, e, and f to ensure that the District is eligible for any water management grant, loan, or other State funding. The District has maintained its latest UWMP on file at the District's offices in Ventura, California.