

**Lake Hemet Municipal Water District**

# **Urban Water Management Plan**

**2020**



**December 2021**

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# **CHAPTER 1**

## **LAY DESCRIPTION AND INTRODUCTION**

## **Lay Description**

As an urban water supplier, Lake Hemet Municipal Water District (LHMWD) is required to prepare and submit an Urban Water Management Plan (UWMP) every five years. UWMP's are used primarily to analyze existing and future water supplies and demands and to provide for long term resource planning. Supplies and demands are forecasted for normal, single dry, and multiple dry year conditions.

## **Water Supplies**

LHMWD water supplies consist of both local and imported water. Local supplies include locally pumped groundwater and surface water diversions from the San Jacinto River System while imported water is purchased from Eastern Municipal Water District (EMWD).

The District's primary source of potable water is local groundwater pumped from the San Jacinto Groundwater Basin. The basin is managed by the Hemet-San Jacinto Watermaster which determines allowable production amounts for water suppliers to ensure the long-term viability of the basin as water source. Surface water from the Lake Hemet Reservoir and the San Jacinto River System is used for agricultural irrigation and groundwater recharge. The District has the ability to purchase both potable and non-potable water from EMWD through multiple connections.

## **Water Demands**

LHMWD supplies potable domestic water primarily to single family residential customers. Multi-family accounts are the second largest domestic water demand and include mobile home parks, apartments, and retirement homes. Other domestic water use sectors include commercial, industrial, and institutional uses. Non-potable water is used primarily for agricultural purposes which consists mainly of citrus grove irrigation. Potable water demands are expected to increase into the future as development continues in the District's service area while non-potable irrigation demands are expected to decrease.

## **Drought Risk and Water Service Reliability**

District water sources are reliable and expected to meet projected demands. As mentioned, the local groundwater basin is managed to prevent excessive pumping and help protect the quality and viability of existing groundwater wells. Water from the aquifers supplying potable District wells is generally of high quality. While multiple dry year periods create additional strain and higher demands on these existing sources, the District projects that supplies will be adequate primarily due to the ability to pump additional groundwater, purchase supplemental water from EMWD and release extra water from the Lake Hemet Reservoir as needed.

## 1.1 Background and Purpose

Water planning is an essential function of water suppliers but becomes critical as California grapples with ongoing drought and expected long-term climate changes. Prior to the adoption of the Urban Water Management Planning (UWMP) Act, there were no specific requirements that water agencies conduct long-term resource planning. While many water agencies conducted long-term water supply and resource planning prior to the Act, those that did not were left vulnerable to supply disruptions during dry periods or catastrophic events.

An example of local supply disruption that spurred the development of the UWMP Act can be found from the drought of 1976-1977. The Marin Municipal Water District (MMWD) faced dwindling supplies, even though water rationing strategies were successfully implemented. MMWD managers met with officials of other water districts and from the California Department of Water Resources (DWR) to quickly find a reliable alternate source of water. An agreement was reached to transport water from the State Water Project (SWP) via a temporary, 6-mile pipeline on the Richmond-San Rafael Bridge from the East Bay to Marin County.

The necessity of installing this emergency pipeline indicated that water planning had to be done at the local level, as two water agencies in the same region could have very different impacts from a drought. As a result, the UWMP Act was proposed and adopted, requiring a minimum level of resource assessment and planning by water suppliers.

There is no substitute for water planning at the local water supplier level. Only a local supplier has the knowledge, ability to consider the unique circumstances of the individual agency, can provide for participation by the community, and tailor the planning to local conditions.

The UWMP Act has been modified over the years in response to the State's water shortages, droughts, and other factors. A significant amendment was made in 2009, after the drought of 2007-2009 and as a result of the governor's call for a statewide 20 percent reduction in urban water use by the year 2020. This was the Water Conservation Act of 2009, also known as SB X7-7. This Act required agencies to establish water use targets for 2015 and 2020 that would result in statewide savings of 20 percent by 2020.

## 1.2 Urban Water Management Planning and the California Water Code

The sections below are summaries of CWC sections applicable to UWMPs. DWR provides guidance on addressing CWC UWMP requirements, but water suppliers are solely responsible for ensuring that all CWC requirements and applicable laws have been met. The UWMP Act is included in Appendix A of the Guidebook.



## 1.2.1 Urban Water Management Planning Act of 1983

The UWMP Act requires water agencies to develop UWMPs. The UWMPs provide a framework for long term water planning and inform the public of a supplier's plans for long-term resource planning that ensures adequate water supplies for existing and future demands.

This part of the CWC requires urban water suppliers to report, describe, and evaluate:

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

## 1.2.2 Applicable Changes to the Water Code since 2015 UWMP

A summary list of the major changes to the Water Code is provided below.

- Water Reliability Assessment for five consecutive dry years
- Drought Risk Assessment for five-year period
- Assessment of seismic risk to water system facilities
- Water Loss reporting for previous five year period
- Water Shortage Contingency Plan with specific elements
- Groundwater supply coordination
- Lay Description describing fundamental determinations

## 1.2.3 Water Conservation Act of 2009 (SB X7-7)

The Water Conservation Act of 2009 required retail urban water suppliers to report in their UWMPs their Base Daily per Capita Water Use (Baseline GPCD), 2015 Interim Urban Water Use Target, 2020 Urban Water Use Target, and Compliance Daily per Capita Water Use. These terms are defined in *Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use, DWR 2011(Methodologies)* consistent with SB X7-7 requirements.

Beginning in 2016, retail water suppliers were required to comply with the water conservation requirements in SB X7-7 in order to be eligible for State water grants or loans. The complete text of the Water Conservation Act is on-line. Guidance for addressing the requirements of the Act is found in Chapter 5 of the Guidebook and in the *Methodologies* document. Retail water agencies are required to set targets and track progress toward decreasing daily per capita urban water use in their service area, which were to assist the State in meeting its 20 percent reduction goal by 2020.

## 1.3 Urban Water Management Plans in Relation to Other Plans

Urban suppliers provide information on water management specific to their service areas. However, water management does not happen in isolation; there are other planning processes that integrate with the UWMP to accomplish urban planning. Some of these plans include city and county General Plans, Water Master Plans, Recycled Water Master Plans, integrated resource plans, Integrated Regional Water Management Plans, Groundwater Management Plans, and others.

## 1.4 UWMP Organization

The Urban Water Management Plan for Lake Hemet Municipal Water District is organized in the same order as the Guidebook for Urban Water Suppliers to prepare a 2020 Urban Water Management Plan published by the California Department of Water Resources. The Guidebook can be found at:

<https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Urban-Water-Management-Plans/Final-2020-UWMP-Guidebook/UWMP-Guidebook-2020---Final-032921.pdf>

The organization of this UWMP groups the requirements by topic and presents the topics in the order in which a water supplier may consider including them in an UWMP. This does not follow the order of the legislation. Each of the legislative requirements from the Urban Water Management Planning Act and the Water Conservation Act of 2009 is *italicized* and in different font with the applicable Water Code Section at the beginning.

**Chapter 1 – Lay Description and Introduction** *In this introductory chapter, agencies provide a general lay description and a discussion on the importance and extent of their water management planning efforts.*

**Chapter 2 - Plan Preparation** *This section will provide information on their process for developing the UWMP, including efforts in coordination and outreach.*

**Chapter 3 - System Description** *Suppliers may include maps of the service area, a description of the service area and climate, their Public Water System(s), and the agency's organizational structure and history.*

**Chapter 4 - Water Use Characterization** *Describe and quantify the current and projected water uses within the agency's service area.*

**Chapter 5 – SB X7-7 Baselines, Targets and 2020 Compliance** *Suppliers can demonstrate whether or not they have achieved the 2020 per capita water use target.*

**Chapter 6 – Water Supply Characterization** *Describe and quantify the current and projected sources of water available to the agency. A description and quantification of*

# CHAPTER 1 - Lay Description and Introduction

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*potential recycled water uses and supply availability is also to be included in this chapter, to the extent that it pertains to each agency.*

**Chapter 7 - Water Supply Reliability and Drought Risk Assessment** *Water agencies will describe the reliability of their water supply and project the reliability out 20 years. This description will be provided for normal, single dry years and 5 consecutive dry years.*

**Chapter 8 - Water Shortage Contingency Plan** *Provide the supplier's staged plan for dealing with water shortages, including a catastrophic supply interruption.*

**Chapter 9 - Demand Management Measures** *Water suppliers will communicate their efforts to promote conservation and to reduce demand on their water supply and will specifically address several demand management measures.*

**Chapter 10 - Plan Adoption, Submittal, and Implementation** *Water agencies will describe the steps taken to adopt and submit the UWMP and to make it publicly available. This chapter will also include a discussion of the agency's plan to implement the UWMP.*

## SUPPORTING DOCUMENTS

Supporting documents are included in the plan as appendices or be referenced with a link to the webpage where the document can be found. Supporting documentation include:

- Notification letters of UWMP update
- Public notice of UWMP hearing
- Adoption resolution(s) from the agency's governing body
- Water Shortage Contingency Plan
- Groundwater Management Plan (see website);

## 1.5 UWMPs and Grant or Loan Eligibility

### 1.5.1 Funding Eligibility for Retail and Wholesale Suppliers

In order for an urban water supplier to be eligible for any water management grant or loan administered by DWR, the agency must have a current UWMP on file that has been determined by DWR to address the requirements of the CWC. A current UWMP must also be maintained by the water supplier throughout the term of any grant or loan administered by DWR. An UWMP may also be required in order to be eligible for other State funding, depending on the conditions that are specified in the funding guidelines. Agencies should seek guidance on the specifics of any State funding source from the funding agency(ies).

### **1.5.2 Funding Eligibility for Retail Suppliers Only**

*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).*

*CCR Section 596.1*

*(b)(2) “disadvantaged community” means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.*

# **CHAPTER 2**

# **PLAN PREPARATION**

### CHAPTER 2: PLAN PREPARATION

#### 2.1 Basis For Preparing A Plan

##### *CWC 10617*

*“Urban water supplier” means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems...*

##### *CWC 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.*

##### *CWC 10621*

*(a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).*

*(d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.*

##### *CWC 10644*

*(a)(2) The plan, or amendments to the plan, submitted to the department ... shall include any standardized forms, tables, or displays specified by the department.*

Lake Hemet Municipal Water District (LHMWD) manages a public water system that serves more than 3,000 customers and supplies more than 3,000 afy of water as shown on Table 2-1. Consequently, LHMWD is required to update and submit its 2020 UWMP. Standard tables prepared by DWR are used and included in Appendix A.

#### 2.2 Regional Planning

##### *CWC 10620*

*(d)(1) An urban water supplier may satisfy the requirements of this part by participation in area wide, regional, watershed, or basin wide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.*

LHMWD participates in regional planning efforts on a consistent basis. Regular meetings are held with the City of Hemet, City of San Jacinto, and Soboba Tribe of Luiseno Indians and private pumpers. Some of these efforts are part of the Hemet San Jacinto Water Master and implementing the associated water management plan.

Regional planning can deliver mutually beneficial solutions to all agencies involved by reducing costs for the individual agency, assessing water resources at the appropriate geographic scale, and allowing for solutions that cross jurisdictional boundaries. Some of the other possible benefits, depending on the level of regional cooperation, can include:

- More reliable water supplies;
- Increased regional self-reliance;
- Improved water quality;
- Better flood management;
- Increased economic stability;
- Restored and enhanced ecosystems; and
- Reduced conflict over resources.

In support of regional UWMPs and regional water conservation targets, the UWMP portion of the CWC provides mechanisms for participating in area-wide, regional, watershed, or basin-wide urban water management planning.

### **2.3 Individual Or Regional Planning and Compliance**

*CWC 10608.20*

*(a)(1) ... Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis as provided in subdivision (a) of Section 10608.28...*

Despite its regional planning efforts and participation, LHMWD will submit an individual UWMP and not participate in a Regional UWMP as indicated in Table 2-2.

### **2.4 Fiscal or Calendar Year and Units Of Measurement**

*CWC 1608.20*

*(a)(1) Urban retail water suppliers...may determine the targets on a fiscal year or calendar year basis.*

LHMWD's 2020 UWMP is based on a calendar year and acre-feet (af) as indicated in Table 2-3.

### 2.5 Coordination and Outreach

#### *CWC 10631*

*(j) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).*

LHMWD and the wholesaler EMWD, as listed on Table 2-4, coordinated and exchanged information regarding demands and available supply as described in CWC 10620. Specifically, EMWD sent a letter to LHMWD on June 21, 2021 stating the demands and were confirmed by LHMWD via email on June 22, 2021. EMWD's available supply is greater than the projected demand as shown on Table 6-9.

LHMWD can only receive water directly from EMWD at the Washington Booster site and the Fairview and Acacia site for potable water and at the Marshall Tank site for raw surface water or recycled water through the Reach 5 pipeline. No other physical connections exist where LHMWD can directly take water from another agency. Table 14 shows the amount of water projected in acre-feet LHMWD will need to purchase to augment its own supplies. The sources would potentially be recycled water, groundwater, and raw water from EMWD. The Water Master is officially formed and recharging raw imported water into groundwater basins.

In a typical year with adequate groundwater and lake levels, LHMWD will not need any outside wholesale water supplies either from EMWD or the Water Master. LHMWD may choose to purchase wholesale water based on economic or other considerations such as maintaining minimum lake levels. In multiple dry years or in cases of equipment failure, wholesale water may be needed to supplement existing supplies. The most vulnerable demands would be agriculture irrigation during the later summer months after river flows ceased and multiple dry years causing low water levels in Lake Hemet. Even then, agricultural wells and even domestic wells may be more capable of meeting the demands and also be more cost effective.



*CWC 10620*

*(d)(2) Each urban water supplier shall 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.*

*CWC 10621 (b)*

*Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.*

*CWC 10642*

*Each urban water supplier shall encourage the 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...*

LHMWD sent written notices directly to the City of Hemet, City of San Jacinto, County of Riverside, and EMWD more than 60 days before the public hearing. LHMWD also coordinated to the extent practical. In addition, a notice was published in the Press Enterprise newspaper on October 13 through October 20, 2021 soliciting comments and advertising the public hearing to be held on December 16, 2021. The same notice and the UWMP were available on the LHMWD website.

# **CHAPTER 3**

## **SYSTEM DESCRIPTION**

### CHAPTER 3: SYSTEM DESCRIPTION

#### 3.1 Service Area Physical Description

*CWC 10631 Describe the service area of the supplier.*

The District's service area encompasses a total of approximately 12,700 acres covering the northeasterly portion of the City of Hemet, a small southeast portion of the City of San Jacinto, and unincorporated parts in western Riverside County in Southern California. The LHMWD is within the San Jacinto Valley surrounded by the San Jacinto Mountains on the north and east, the Santa Rosa Hills on the south, and the Lakeview Mountains on the west. The San Jacinto Valley is crossed by SR 74 (Florida Avenue) and SR 79 (San Jacinto Avenue).

The service area consists of a mixture of residential, commercial, institutional, and agricultural uses. The agricultural uses consist mostly of citrus groves. Institutional uses are mostly public schools including Hemet High School, Dartmouth Middle School, Bautista Creek Elementary, Ramona Elementary, Val Vista Elementary, Alessandro Continuation School. The remaining institutional uses are private schools, churches, Valley-Wide Recreation and Park District, Riverside County Sheriff Station, and Val Vista Library. Commercial uses are almost exclusively along the SR74/Florida Avenue and SR79/San Jacinto Avenue corridors. The District's overall service area is shown on Figure 1. The area within LHMWD's boundary and west of Santa Fe Street are supplied water directly from the City of Hemet Water System.

#### 3.2 Service Area Boundary Map

A map of the LHMWD service area boundary along with the groundwater basins and wells is shown in Figure No. 1. No changes have been made to the boundary except between some of the board member precincts.

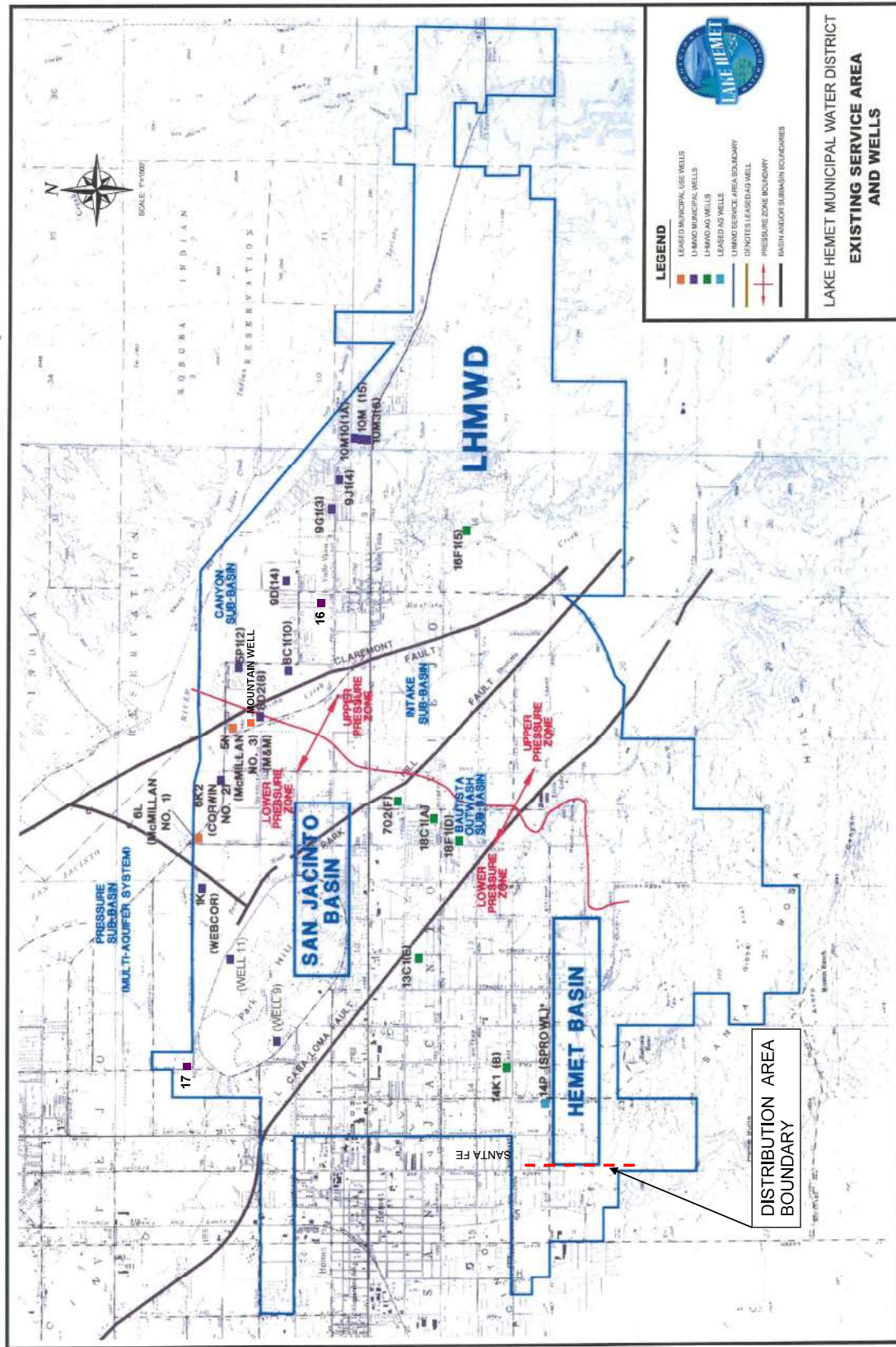


Figure 1

**3.3 Service Area Climate**

*CWC Section 10631 Describe the service area of the supplier, including... climate.*

The climate within the District’s service area is typical for Southern California inland valleys, consisting of mild winters and hot, dry summers. Average annual rainfall is about 11.5 inches. Climate data for the period 1948 – 2005 from the CIMIS website for Station No. 179 is shown in Table A.

<b>Table A. Climate</b>						
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>
Standard Monthly Average Eto	2.81	2.76	3.78	5.31	6.10	6.97
Average Rainfall (inches)	2.41	2.24	1.91	0.92	0.35	0.06
Average Temperature (°F)	53.9	52.7	57.6	59.4	68.1	72.2

<b>Table A. Climate</b>							
	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Annual</b>
Standard Monthly Average Eto	7.08	6.83	5.67	4.15	3.31	2.56	57.33
Average Rainfall (inches)	0.14	0.23	0.44	0.50	1.01	1.34	11.56
Average Temperature (°F)	78.3	79.6	76.0	67.3	57.7	52.4	64.4

**3.4 Service Area Population and Demographics**

*CWC Section 10631 Describe the service area of the supplier including current and projected population . . . The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years . . .*

The District serves both residential and agricultural customers. The number of District-served residential connections has increased from approximately 12,322 in 1999 to 13,750 in 2010. The number of irrigation connections decreased from 61 in 2000 to 51 in 2005 due to a decrease of about 30 irrigated acres and changes in ownership and consolidation of some parcels.

The total number of service connections increased by 12.7 percent from 1999 to 2010, an average increase of 1.06 percent per year. By analyzing the number of service connections, the past increases of single-family, multi-family, and mobile home service connections, comparing the ratio of capita/service connection type, population estimates were made from the 2000 Census. From the process, population grew at an estimated average rate of 1.035% per year from 1999 to 2010. Population based on the 2010 Census was 49,766. Population in 2001 as reported in the 2010 UWMP was 48,810. From those estimates, population grew by 173 each year. Accordingly, future growth in the District is anticipated to continue at the same rate with build-out projected to occur by 2025. Agricultural uses are expected to decrease slightly as irrigated land converts to urban use. However, since a significant portion of the acreage in citrus today is comprised of new plantings and/or in agriculture preserves, it is expected that the demand for irrigation water will exist through 2025. Any conversion of agriculture is estimated to result in a net reduction of water usage for equivalent development densities of less than 8 dwelling units per acre using 4 afy/ac for citrus groves and 0.5 afy/du. A challenge would be posed by agricultural irrigation that is supplied with untreated, raw river runoff while residential would require a potable water supply.

Table 3-1 shows the expected population growth within the LHMWD's distribution area over the next 20 years. The DWR Population Tool was used to estimate the 2020 population based on the census data for 2010 and the change in number of service connections from 2010 to 2020. Future population estimates were based on previous UWMP estimates which include a consistent growth rate equal to the 1.035% average annual growth rate as experienced from 1999 through 2010.

**CHAPTER 4**

**WATER USE CHARACTERIZATION**

### CHAPTER 4: WATER USE CHARACTERIZATION

#### 4.1 Water Uses By Sector

*CWC 10631*

*(e)(1) Quantify, to the extent records are available, past and current water use, and projected water use (over the same five-year increments described in subdivision (a)), identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses: (A) Single-family residential; (B) Multifamily; (C) Commercial; (D) Industrial; (E) Institutional and governmental; (F) Landscape; (G) Sales to other agencies; (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof; (I) Agricultural...*

*(2) The water use projections shall be in the same five-year increments described in subdivision (a).*

Past, current, and projected water accounts and demands are listed in Tables 4-1 through 4-3. The values for 2020 are directly from the annual Public Water System Statistics report (Form 38) submitted by LHMWD to DWR. Projected water demands district-wide were estimated by applying the target per capita water use to the projected population estimates for 2020. The target per capita water use for 2020 was used for 2025 and 2030 water demand projections based on the population estimate for each corresponding year. The district-wide water demand projection was itemized for each water use sector by determining the percentage of each sector's demand in 2020 and applying that same percentage to the district-wide demand in the future years. All accounts were metered in the 2020 year and will continue to be in future years.

#### **Single Family**

From 2005 to 2010, the number of total accounts grew by only 176 accounts, or 0.25 percent per year. Single-family residential accounts grew by 67 accounts, or 0.10 percent per year, over the same period. Water use per domestic service connection in 2010 was 0.46 acre-feet per connection compared to 0.55 acre-feet per connection in 2005. The number of service connections is projected to grow at an annual rate of 1.06% through 2025 based on and equal to the actual average annual rate from 1999 to 2010.

#### **Multi-Family**

The multi-family sector includes mobile home parks, apartments, retirement homes, and other housing that has more than one family using water from a single service connection. This sector has the second highest domestic water demand behind the single family residential sector, however its per capita water use is lower due to a minimal need for outside watering. Savings can still occur with installation of low-flow shower heads, water efficient toilets and household appliances, and through drought tolerant landscaping and efficient irrigation by the apartment owner.



### **Commercial**

The commercial sector is comprised of supermarkets, car washes, retail stores and businesses. This sector is not a large water user, however LHMWD will continue its audits of establishments to ensure water fixtures are efficient and in good repair.

### **Industrial**

Since 1999, no more than three active industrial accounts have been in LHMWD's service area, none of which were large users of water. Presently, there are no active industrial water users within LHMWD. Consequently, no significant demand impacts are projected from this sector.

### **Institutional/Government**

Schools, churches, special districts, fire stations, governmental offices and other public buildings are included in this sector. Water use per service connection in this sector is the highest of all domestic categories due to extensive landscaping, particularly at the schools. More efficient irrigation practices could save at least 75 acre-feet (25 million gallons) per year. Efforts will be concentrated on educating public administrators in sound water management practices.

### **Landscape**

Shopping centers and other large commercial and retail developments have service connections dedicated to landscape irrigation, with each retail building space metered separately. Although the amount of water used in this sector is less than 50 acre-feet per year, savings can still be realized by adjusting sprinklers to prevent overspray onto hardscaped areas, fine-tuning timer cycles to prevent runoff, and using controllers with weather/soil measurements that automatically adjust to watering schedules.

### **Sales to Other Agencies**

Except in rare emergency situations, LHMWD does not supply water to other water agencies. Only one interagency connection exists where LHMWD can physically supply water to another agency. That connection is at Well No. 9 on Park Hill with the City of Hemet. No connections exist between EMWD or the City of San Jacinto where water from LHMWD can be conveyed to the other agency without some means of pumping.

### **Agricultural**

Irrigation of citrus groves places the greatest demand on district agricultural supplies. The main supply is untreated runoff from local streams and water that has been stored in Lake Hemet Reservoir, both of which are delivered via gravity through a canal network to farmers. When stream water disappears in the summer, water from wells that cannot

## CHAPTER 4 – Water Use Characterization

meet domestic water quality standards is delivered to the canal for distribution. Imported water from the State Water Project is also purchased from EMWD to stretch the district's local supplies in times of drought. Delivered canal water from all sources amounts to about 5,400 acre-feet per year.

Several farmers, due to location, are not able to take delivery of water from the canal system and must be served from the domestic distribution system. This demand totals about 500 acre-feet per year and is charged at a higher rate due to the cost of obtaining and treating high quality domestic water.

Local farmers are already using the latest irrigation technology to minimize their costs. Consequently, future water savings from this sector are expected to be minimal. A decrease in water use will only occur when agricultural land is taken out of production. However, when this occurs, the same land will most likely be developed into housing units, creating new demand in the domestic water sectors. For the projections, agriculture was estimated to remain at a constant rate equal to the 2015 demands.

### Groundwater Recharge

Groundwater is recharged from excess stream flows that exceed LHMWD's irrigation demand from the flume system. This water currently is recharged in the Intake Sub-basin. Excess stream water from the flume is discharged in the Bautista Creek Channel and conveyed to the Bautista Recharge ponds at the northwest corner of the intersection of the Bautista Creek Channel and Florida Avenue. The recharge pond property is owned by the Riverside County Flood Control and Water Conservation District (RCFCD). Under a cooperative arrangement, LHMWD operates and maintains the recharge ponds for RCFCD. An expansion of the recharge ponds is currently being constructed and is anticipated to be operational in 2022. The past and projected water recharge amounts are shown in Table B.

	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>
<b>Recharge</b>	50	318	500	700	800	1,000

### 4.2 Water Losses

Water losses from system leaks and unaccounted for differences between production meters and retail meters are listed in Table 4-4 for the previous 5 years. Losses occur in

## CHAPTER 4 – Water Use Characterization

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pipeline leaks, evaporation from open canals, streams, lakes, and ponds. Water losses are calculated using the AWWA Water Audit Software. Projected water losses were estimated using the losses from previous years and applying that same amount to projected demands in future years.

LHMWD is undertaking an extensive program to replace older leaking pipelines that will help reduce or hold the amount of lost water that will be discussed in more detail later.

New automated meters have been installed throughout the District and will continue to be implemented. The new meters provide more accurate and consistently timed water usage reads that will help account for some of the discrepancy in production and retail meters.

### **Recycled Water**

Recycled water is not available within LHMWD service boundary. Consequently, LHMWD has no recycled water demands. The nearest recycled water pipeline is 2.5 miles from the southerly LHMWD boundary. Another pipeline is 3 miles away from the northerly LHMWD boundary. Wastewater is conveyed and treated by EMWD. EMWD also owns and operates the recycled water distribution system. EMWD is planning several recycled water projects that would extend the system closer to LHMWD. More discussion about recycled water availability is in the Supply section of this UWMP.

### **Saline Water Intrusion Barriers, Groundwater Recharge, or Conjunctive Use**

LHMWD does not have water demands associated with saline water intrusion barriers. Natural river flows above those needed for agricultural irrigation are recharged as groundwater as much as possible but do not impose a demand on LHMWD supplies. LHMWD is an active party of the development Hemet/San Jacinto Water Management Plan to import water for groundwater recharge. Those recharge demands will be managed and supplied by the Water Master ultimately from the Metropolitan Water District and from the LHMWD systems.

### **Total Water Use**

Total water use within LHMWD distribution area is based on the above tables. The total water use reflects achieving the per capita water use reductions from the Base of 162 gpcd to a maximum of the 2020 Target 142 gpcd. An unchanging agricultural demand is also assumed. In addition, growth rates are based on the rates experienced over the last decade. An important distinction is the difference in domestic projections based on current demands and those based on target per capita water use. In 2010, actual per capita water use of 133 gpcd is already below the 2020 target per capita water use of

142 gpcd. Keep in mind the base per capita use of 162 gpcd was determined from water use from 1999 to 2008. The relatively low usage in 2010 was likely due to continued conservation efforts, a cooler summer, and substantial rain fall in the fall. Nonetheless, projected water use is based on the projected population estimate and the 2015 interim and 2020 target per capita water uses.

Water projections in the years beyond 2020 are determined the same way except using the 2020 per capita use throughout.

### 4.3 Estimating Future Water Savings

#### *CWC 10631*

*(e)(4)(A) If available and applicable to an urban water supplier, water use projections may display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.*

*(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following: (i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections. (ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.*

The cities and the County within LHMWD's service implemented new regulations that will reduce the amount of water used in existing and future customers. LHMWD realized a 37% decrease in water used in the 12 months ending in May 2016 compared to 2013. However, the water use projections in the 2020 UWMP do not include any estimated savings from the regulations as indicated in Table 4-5.

### 4.4 Water Use For Lower Income Housing

*CWC 10631.1(a) 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.*

LHMWD supplies retail domestic water to parts of the County of Riverside, the City of San Jacinto, and the City of Hemet. The Housing Element of the General Plan for each jurisdiction was reviewed. All three jurisdictions analyzed their Regional Housing Need Assessment which outlines the number of housing units needed for various income levels. The lower income housing units proposed in each jurisdiction are discussed below.

### **County of Riverside**

The County of Riverside originally adopted its current version of its General Plan in October 2003. The Housing Element of the General Plan Chapter 8, page H-141, discusses water service from LHMWD and can be found at [http://www.rctlma.org/genplan/content/gp/chapter08\\_housingElement.pdf](http://www.rctlma.org/genplan/content/gp/chapter08_housingElement.pdf).

Specifically, LHMWD is described as having adequate capacity and infrastructure to supply current and future needs. Exhibit H-2 of the Housing Element shows vacant lands in WRCOG's jurisdiction that are available for housing. Table 43 lists future lower income housing to be in high density and very high density residential designated areas. Figure 3 of the San Jacinto Valley Area Land Use Plan shows limited opportunities for high or very high residential development. In any case, the vacant parcels in the unincorporated portions of Riverside County and within LHMWD's service area are included in the water demand estimates and projections.

### **City of San Jacinto**

The City of San Jacinto approved their Housing Element of the General Plan in May 2006 and can be found at:

[http://www.ci.san-jacinto.ca.us/city-govt/development/general-plan-11/006\\_HousingElement.pdf](http://www.ci.san-jacinto.ca.us/city-govt/development/general-plan-11/006_HousingElement.pdf)

[http://www.ci.san-jacinto.ca.us/city-govt/development/general-plan-11/010\\_AppendixA.pdf](http://www.ci.san-jacinto.ca.us/city-govt/development/general-plan-11/010_AppendixA.pdf)

Figure 3 of the Housing Element Technical Report (Appendix A of the Housing Element) depicts vacant lands and the associated zoning remaining in the City of San Jacinto. The only vacant parcels in the City of San Jacinto and LHMWD's service area are on Park Hill in the southeast portion of the City. The ridge area of Park Hill is zoned for rural residential development at 0 to 2.0 dwelling units per acre. The lower portions of Park Hill are zoned for low density residential at 2.1 to 5.0 dwelling units per acre.

On Page A-43, lower income housing is discussed as being feasible at densities near or above 20 units per acre associated with the very high density residential zoning. As very high density residential zoning is not within the remaining vacant lands within LHMWD's service area, future lower income housing within the City of San Jacinto is not planned within LHMWD's service area.

### City of Hemet

The City of Hemet is nearly complete with an update of its General Plan including the Housing Element. Table H-44 of the draft Housing Element lists affordable housing projects that are completed or in progress. Table H-46 lists RHNA, units built or in progress, and available units based on vacant properties listed.

Figure H-10 of the proposed update shows 3 areas totaling over 29 acres of potential lower income housing sites available for development that are within the City of Hemet and LHMWD's service area. The 3 sites are located at:

- 1) Southeast corner of Johnston Avenue and Gilbert Street, about 12 acres;
- 2) Northwest corner of Stetson Avenue Buena Vista Street, about 12 acres;
- 3) West side of State Street midway between Oakland Avenue and Menlo Avenue, about 5 acres;

Table H-45 lists a realistic density of 18.1 lower income units per acre. Using that density, an estimated 525 lower income units are planned in the City of Hemet and within LHMWD's service area. Using 2.5 people per lower income housing unit, 120 gpcd of water use, the estimated water demand is 176 af/yr. This demand is only 6% of and is included in the increased demand projections estimated above between 2020 and 2035 as indicated in Table 4-5.

### 4.5 Climate Change Considerations

*CWC 10630 It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied, while accounting for impacts from climate change.*

LHMWD considers the impacts of changing climate in the evaluation of water supplies and demands. A continued change to a drier and warmer climate is the primary concern as it has the greater potential to create an adverse effect on water supplies as opposed to a change towards a wetter and cooler climate.

The District is located in a semi-arid area and a rise in temperatures and reduction in rainfall is expected to result primarily in increased demand for domestic landscape and agriculture irrigation. As demand management measures as well as drought tolerant and low water use landscaping continue to become more prevalent the District expects landscape water demands to decrease which will offset additional demand due to warmer temperatures and reduced rainfall.

## **CHAPTER 5**

# **SB X7-7 BASELINES, TARGETS AND 2020 COMPLIANCE**

# CHAPTER 5 – SB X7-7 Baselines, Targets and 2020 Compliance

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## CHAPTER 5: SB X7-7 BASELINES, TARGETS AND 2020 COMPLIANCE

### 5.1 Description

*CWC 10608.20(e) An urban retail water supplier shall include in its urban water management plan due in 2010 the 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.*

With the adoption of the Water Conservation Act of 2009, also known as the SB X7-7, the State was required to set a goal of reducing urban water use by 20 percent by the year 2020. Each retail urban water supplier was required to determine baseline water use during their baseline period and also target water use for the years 2015 and 2020 in order to help the State achieve the 20 percent reduction.

In the 2020 Plan, water agencies must demonstrate compliance with their established water use target for the year 2020. Compliance is verified by DWR's review of the SB X7-7 Compliance Form submitted with an agency's 2020 UWMP. The SB X7-7 Compliance Form is included in Appendix B. Baselines and targets are to be calculated for each retail urban water supplier.

### 5.2 Baseline Calculation

*CWC 10608.20 (g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).*

*Methodologies DWR 2011, Methodology 2 Service Area Population Page 27 - Water suppliers may revise population estimates for baseline years between 2000 and 2010 when 2010 census information becomes available. DWR will examine discrepancy between the actual population estimate and DOF's projections for 2010; if significant discrepancies are discovered, DWR may require some or all suppliers to update their baseline population estimates.*

LHMWD last updated its baseline and target calculations in 2015 based on populations from the 2010 Census data. The 2010 Census data was not available when the 2010 UWMP was prepared. As no changes have been made to the LHMWD service area, new baseline calculations are not needed.

### 5.3 Baseline Periods

*CWC 10608.12*

*(b) "Base daily per capita water use" means any of the following:*



## CHAPTER 5 – SB X7-7 Baselines, Targets and 2020 Compliance

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*(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.*

*(2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.*

The 10-year baseline period was updated to end on December 31, 2010 to coincide with the 2010 Census data used in the 2015 UWMP. The baseline period is January 1, 2001 through December 31, 2010.

LHMWD did not supply any recycled water in 2008. Consequently, LHMWD delivery of recycled water in 2008 was less than 10% of its total water deliveries and the option described in CWC 10608.12 (2) is not applicable.

*CWC 10608.12 (b)*

*(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.*

The 5-year baseline period was also updated to end on December 31, 2010 to coincide with the 2010 Census data used in the 2015 UWMP. The baseline period is January 1, 2006 through December 31, 2010.

### **5.4 Service Area Population**

*CWC 10608.20*

*(e) An urban retail water supplier shall include in its urban water management plan due in 2010...the baseline per capita water use, ...along with the bases for determining those estimates, including references to supporting data.*

*(f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.*

*CWC10644*

*(a)(2) The plan...shall include any standardized forms, tables or displays specified by the department.*

The population in LHMWD service area was 47,702 in 2000 and 49,776 in 2010 based on the 2000 and 2010 Census data, respectively. The 2010 Census data is lower than

## CHAPTER 5 – SB X7-7 Baselines, Targets and 2020 Compliance

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the 52,914 estimated for 2010 as shown on Table 2 of the 2010 UWMP. This difference prompted the revision to the population and consequently baseline and target figures.

The population estimates of the LHMWD distribution system area for the baseline years are listed in 2015 SB X7-7 Verification Table 3. The population estimates were determined in conformance with Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use, Methodology No. 2 for a Category 3 water supplier. In summary, data from the 2000 and 2010 Census was analyzed at the census block level. Census block boundaries were aligned with the LHMWD boundary. Census blocks in LHMWD were grouped and totaled. Additionally, the applicable census blocks were analyzed by structure type, e.g. single family, multi-family, and mobile homes. LHMWD data for service connections in 2010 were compiled and a population per service connection type was calculated for Year 2010. The population per service connection type was multiplied by the actual number of service connections in subsequent years as an estimate of the population in that year. The average population in the 10 baseline years was 48,988.

### 5.5 Gross Water Use

*CWC 10608.12*

*(g) “Gross Water Use” means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:*

- (1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier*
- (2) The net volume of water that the urban retail water supplier places into long term storage*
- (3) The volume of water the urban retail water supplier conveys for use by another urban water supplier*
- (4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.*

*California Code of Regulations Title 23 Division 2 Chapter 5.1 Article*

*Section 596 (a) An urban retail water supplier that has a substantial percentage of industrial water use in its service area is eligible to exclude the process water use of existing industrial water customers from the calculation of its gross water use to avoid a disproportionate burden on another customer sector.*

2015 SB X7-7 Verification Table 4 lists the population and the gross water supplied for the baseline years. The water usage is directly from the Urban Retail Total in Section 4 of the annual Public Water System Statistics (Appendix H) report submitted to DWR and does not include agricultural irrigation water.

No deductions for indirect recycled water or industrial process water were made from gross water use.

## CHAPTER 5 – SB X7-7 Baselines, Targets and 2020 Compliance

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### 5.6 Baseline Daily Per Capita Water Use

The annual daily per capita water use is calculated for each year as shown in 2015 SB X7-7 Verification Table 5 and ranges from 158 gpcd in 2001 to a high of 178 gpcd in 2009.

The average of the annual daily per capita water use is the Base Daily Per Capita Water Use equal to 168 gpcd also shown in 2015 SB X7-7 Verification Table 5.

### 5.7 2015 and 2020 Targets

*CWC 10608.20*

*(e) An urban retail water supplier shall include in its urban water management plan due in 2010. . . urban water use target, interim urban water use target, ...along with the bases for determining those estimates, including references to supporting data (10608.20(e)).*

*CWC 10608.20*

*(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan...*

Four methods for determining the Urban Water Use Target are available and include:

- Method 1: 80% of Base Daily Per Capita Water Use
- Method 2: Performance Standards
- Method 3: 95% of Regional Target
- Method 4: Water Savings

Of the methods, Alternate 1 of Method 4 is not feasible as it requires the number of restrooms, showers, and clothes washers per household. LHMWD does not track this information. Similarly, Method 2 is not available to LHMWD as it requires knowing the landscaped area for each service which also is not tracked by LHMWD. Of the remaining methods, Target Method 3 was selected to determine the Urban Water Use Target for LHMWD in its 2010 and 2015 UWMP as indicated in 2015 SB X7-7 Verification Table 7.

LHMWD is in the South Coast hydrologic region. The South Coast hydrologic region has a previously established baseline in the Water Conservation Bill of 2009 (20x2020 Plan) of 180 gpcd, an interim 2015 target of 165 gpcd, and a 2020 target of 149 gpcd. Method 3 sets an urban water retailers' 2020 target at 95% of the targets set in the Water Conservation Bill of 2009.

For the South Coast Region and referring to Figure D-3 of the UWMP Guidebook, the 2020 target is 142 gpcd (95% of 149 gpcd). Subsequently, the 2020 Urban Water Use Target for LHMWD was determined to be 142 gpcd.

## CHAPTER 5 – SB X7-7 Baselines, Targets and 2020 Compliance

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A continuous 5-year period must be chosen for the baseline period ending no earlier than December 31, 2007 and no later than December 31, 2010. Accordingly, the baseline period is determined to be the continuous 5 years from January 1, 2006, through December 31, 2010.

The distribution area for the 5-year base period is the same as the 10-year base period as shown in Figure 1.

The population estimate for each of the years in the 5-year base period is listed in 2015 SB X7-7 Verification Table 3 and again in 2015 SB X7-7 Verification Table 5.

The gross water use for each of the years in the 5-year base period is listed in 2015 SB X7-7 Verification Table 4 and again in 2015 SB X7-7 Verification Table 5.

The annual daily per capita water use is calculated for each year as shown in 2015 SB X7-7 Verification Table 4 and 2015 SB X7-7 Verification Table 5 and ranges from 159 gpcd in 2007 to a high of 178 gpcd in 2009.

The average of the annual daily per capita water use is the Base Daily Per Capita Water Use equal to 168 gpcd also shown in 2015 SB X7-7 Verification Table 5.

The 5-year Base Daily Per Capita Water Use is greater than 100 gpcd implying further adjustment is necessary.

*CWC 10608.22*

*Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph (3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day.*

95% of the 5-year Base Daily Per Capita Water Use is 160 gpcd (95% of 168 gpcd).

The LHMWD Urban Water Use Target of 142 gpcd is less than 160 gpcd (95% of the 5-year Base Daily Per Capita Water Use) implying no additional adjustment is necessary.

The 2020 Urban Water Use Target for LHMWD is confirmed at 142 gpcd (2015 SB X7-7 Verification Table 7-F).

The Interim Urban Water Use Target is determined as the average of the Base Daily Per Capita Water Use and the Urban Water Use Target.

Interim Urban Water Use Target =  $(168 \text{ gpcd} + 142 \text{ gpcd})/2 = 155 \text{ gpcd}$

## CHAPTER 5 – SB X7-7 Baselines, Targets and 2020 Compliance

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The Interim Urban Water Use Target for LHMWD is 155 gpcd. (2015 SB X7-7 Verification Table 8)

### 5.8 2020 Compliance Daily Per Capita Water Use

*CWC 10608.12*

*(e) “Compliance daily per-capita water use” means the gross water use during the final year of the reporting period...*

*CWC 10608.24*

*(b) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2020.*

*CWC 10608.20*

*(e) An urban retail water supplier shall include in its urban water management plan due in 2010 . . . compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.*

The 2015 Interim Urban Water Use Target was 155 gpcd. The actual per capita water use for LHMWD in 2015 was 122 gpcd. LHMWD met the interim water use target as shown on 2015 SB X7-7 Verification Table 9 as required. The LHMWD confirmed 2020 Water Use Target was 142 gpcd and the actual per capital water use for 2020 was 137 gpcd as shown on the 2020 SB X7-7 Compliance Tables. LHMWD has achieved the targeted reduction for 2020.

**CHAPTER 6**

**WATER SUPPLY CHARACTERIZATION**

### CHAPTER 6: WATER SUPPLY CHARACTERIZATION

*CWC 10631(b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a).*

The District currently serves its customers from three main sources of supply.

1. Locally pumped groundwater;
2. Surface water diversions from the San Jacinto River system; and
3. Water purchases from Eastern Municipal Water District (EMWD).

Table 6-9 summarizes the District's existing and planned water supply sources and quantities that will be available. The sources are discussed in more detail below.

#### 6.1 Purchased Or Imported Water

Under the WMP, participating water agencies must fund the acquisition of supplemental surface water which can be stored as part of an aggressive groundwater conjunctive use program, to increase existing supply reliability and provide for new growth. Therefore, it is assumed that in the future, if the District requests additional water supplies from EMWD beyond the 336 af/yr quantity available from the Fruitvale Agreement, the requested groundwater quantities will be available. The 1972 Agreement expired with the finalization of the WMP and its implementing agreements.

Since 1985, purchases from EMWD for domestic and agricultural use averaged about 2,000 af/yr. In the early 1990s, purchases from EMWD were significantly higher than average due to drought conditions, particularly in 1990 when over 8,000 acre-feet of water was purchased. In 2015, LHMWD purchased 1,528 af of potable water for use in its domestic system. Future purchases of domestic water from EMWD, and the Watermaster are anticipated to be approximately 1,300 af/yr or less during normal hydrologic periods as shown in Table 6-9.

The District also purchases untreated, raw surface water from EMWD to supplement its irrigation water demands, especially during the summer months when the stream flows are negligible and Lake Hemet water levels are low. In 2010, the District purchased 4,920 af of raw water from EMWD. Future purchases of raw surface water are projected at 1,000 afy as shown in Table 6-9.

### 6.2 Groundwater

*CWC 10631(b) (Is) groundwater . . . identified as an existing or planned source of water available to the supplier . . .*

Groundwater is identified in 6-9 as an existing and planned source available to LHMWD to meet its existing and projected demands. LHMWD owns or leases 14 active domestic wells and 8 active agricultural irrigation wells. In 2020, LHMWD pumped 8.309 af of domestic and agricultural irrigation water from the underlying aquifers which is much less than the 10,444 af pumped in 2010. LHMWD does not plan to develop additional groundwater resources except to replace existing wells as they age and deteriorate. However, the Water Master will use recently built wells to convey recharged water to the four participating water agencies, including LHMWD. A small amount of groundwater may be purchased from EMWD to maintain and operate existing connections or for emergency purposes.

### Groundwater Management Plan

*CWC (10631(b)(1)) (Provide a) copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.*

A Water Management Plan (WMP) has been prepared and implemented for the agencies of Eastern Municipal Water District, City of Hemet, City of San Jacinto, and LHMWD. The Department of Water Resources facilitated the cooperative process to develop the WMP. The WMP was formally adopted in 2013 by the agencies after finalizing environmental permits for the recharge ponds.

[http://project.wrime.com/Hemet/Documents/HSJ\\_WMP\\_final.pdf](http://project.wrime.com/Hemet/Documents/HSJ_WMP_final.pdf).

Other agreements approved by the four agencies related to water management include:

- > Memorandum of Understanding for the Preparation of Water Management Plan, 2004
- > Agreement for Principles for Water Management, 2004
- > Agreement to Develop a Groundwater Monitoring Program
- > Memorandum of Understanding for the Interim Water Supply Plan for the Upper San Jacinto Sub-Basins, 2004
- > In Lieu Agreement for Scott Brothers Dairy and Rancho Casa Loma, 2007
- > Soboba Band of Luiseño Indians Settlement Agreement, 2008
- > Phase I Facilities Construction Cost and Use; Cost and Use of Unused Tribal Water
- > Stipulated Judgment



## CHAPTER 6 – Water Supply Characterization

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*CWC 10631(b)(2)). #16 (Provide a) description of any groundwater basin or basins from which the urban water supplier pumps groundwater.*

The District extracts groundwater from the San Jacinto Groundwater Basin No. 8-5 of the South Coast Hydrologic Region as identified in the DWR inventory system. The San Jacinto Groundwater Basin is divided of two small basins, the San Jacinto and Hemet Basins. Both groundwater basins are currently partially under the jurisdiction of a Groundwater Management Act (Assembly Bill 3030) and an adjudicated stipulated judgment; therefore any overlying basin user can pump groundwater to meet their water demands. It has generally been acknowledged by the District, EMWD, the Cities of Hemet and San Jacinto and by the local agricultural community that the San Jacinto and Hemet Groundwater Basins are currently in a state of overdraft, with total groundwater extractions by local agencies and private groundwater users exceeding the natural long-term recharge capability of the groundwater basins.

The San Jacinto Groundwater Basin is divided into several sub-basins, namely the Upper Pressure, Canyon, Intake, and Bautista Outwash. The Hemet Basin is divided into the Hemet North and Hemet South Sub-basins. The location of the sub-basins and the general location of the District's wells are shown on Figure 1. Wells used for domestic supply are typically located in the Intake, Canyon and Upper Pressure Sub-basins, while wells used to meet agricultural demands are generally located in the Bautista Outwash Sub-basin and the Hemet South Sub-basin and the Intake portion of the Upper Pressure Sub-basin. LHMWD does not own or operate any wells in the Hemet North Sub-basin.

Currently, the District is involved in a basin-wide water management effort with EMWD and the cities of Hemet and San Jacinto, in collaboration with the Department of Water Resources. The District is committed to the on-going effort of developing and implementing the WMP, which includes the operation of the San Jacinto and Hemet Groundwater Basins on a "safe-yield" or "perennial yield" basis. This means operating the groundwater basins so that long-term total groundwater extractions would not result in overdraft of the groundwater basins. As an acknowledgement of the current state of overdraft in the San Jacinto and Hemet Basins, the WMP principles are to limit basin users to some mutually agreed upon historic extraction quantity, consistent with the estimated perennial yield of the basins.

The mutually agreed upon available water would be subject to a nominal extraction fee to help pay for the administration, importation and groundwater storage of supplemental water supplies (as part of an aggressive conjunctive use strategy), to artificially recharge the basins and help alleviate the existing overdraft condition. Pumping in excess of the mutually agreed upon quantity would be subject to increased replenishment fees, however would not be limited in quantity. The replenishment fees would fund imported water that would recharge the aquifer.

## CHAPTER 6 – Water Supply Characterization

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Since all four entities pump from the same basins, and considering the basins are in overdraft, it was imperative that a Water Management Plan (WMP) was implemented. Consequently, the District anticipates the ability to purchase supplemental groundwater from the Water Master and/or EMWD.

An operational yield study completed by WRIME, Inc., as part of the WMP effort, determined that all three sub-basins are in overdraft. The WMP is designed to bring the basins into safe yield by reducing pumping, maximizing the use of recycled water, and most importantly, importing water for recharge. Table C contains data from the WRIME report.

	<b>Long Term Operational Yield Estimate (AF/Yr)</b>		
<b>Sub-basin</b>	<b>Average Long Term GW</b>	<b>Production</b>	<b>Overdraft</b>
Canyon	7,800	8,300	600
Upper Pressure/Intake	21,800	32,200	10,400
Hemet South	8,100	11,000	2,900

*CWC 10631(b)(2) For those basins for which a court or the board has adjudicated the rights to pump groundwater, (provide) a copy of the order or decree adopted by the court or the board.*

The Hemet and San Jacinto basins are adjudicated by a court via a stipulated judgment. The basins are the subject of the Water Management Plan, Settlement with Soboba Band Luiseno Indians, and the Stipulated Judgment that was issued an order and decree by the Superior Court of California. The Settlement with the Soboba Band of Luiseno Indians was approved in 2008 by EMWD, LHMWD and the United States.

*CWC 10631(b)(2) (Provide) a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree.*

The Water Management Plan identifies the District's base production right as 11,063 afy. The total base production right for the four agencies is 32,283 afy. The District's share represents 34.2% of the total. The base production right will reduce systematically each year after the formation of the Water Master. The intent is to limit the amount of groundwater pumped or more realistically to establish a pumping limit above which a

## CHAPTER 6 – Water Supply Characterization

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replenishment fee will be charged to fund the import of an equivalent volume of water. Consequently, an absolute pumping limit will not be in effect.

*CWC 10631(b)(2) For basins that have not been adjudicated, (provide) information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.*

The Hemet and San Jacinto Basins are adjudicated and are considered to be in overdraft as described in the WRIME report. The WMP is specifically targeted to reduce the overdraft and provide a funding mechanism for surplus surface water to be recharged.

*CWC 10631(b)(3) (Provide a) detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.*

The District owns or leases thirteen active wells that provide water to the domestic water system, and six active wells that supply water to the irrigation system as shown on Figure 1. Table 6-1 details the District's pumping history.

*CWC 10631(b)(4) (Provide a) detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.*

Table 6-9 shows the current and projected groundwater to be pumped. The projections are relatively steady over the next 15 years based on developing additional supplies closely matching the population projections. Additional groundwater will likely not be developed significantly due to the need to reduce current basin overdraft and the existing Water Master and its associated source of imported recharge water. Agricultural demands are also expected to remain constant.

### **6.3 Surface Water**

Flow in the upper San Jacinto River is partially controlled by releases from Lake Hemet Reservoir, a 12,750 acre-foot lake located in the San Jacinto Mountains. The District owns and operates Lake Hemet Reservoir, releasing water from Lake Hemet to the South Fork of the San Jacinto River, and then diverting the water for agricultural use or groundwater recharge through a diversion structure located approximately six miles

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downstream of the dam (on the South Fork of the San Jacinto River). Flows from two tributary creeks, North Fork and Strawberry Creek, which join the South Fork of the San Jacinto River further downstream, are also diverted by the District for agricultural use and groundwater recharge as shown on Figure 3.

The District has pre-1914 appropriative rights dating back as far as 1884 to the water captured, stored and released from Lake Hemet Reservoir, diversions from the Strawberry, South Fork and North Fork Creeks, and from several historic and current locations on the San Jacinto River including Hamner's Ditch and 22 Heading among others. The District has historically diverted water from the South Fork, North Fork, Strawberry Creek and San Jacinto River and delivered it through pipelines, flumes or ditches, untreated, to agricultural water users. From 1982 to 1998, some of this water was conveyed by pipeline to the Eggen Water Treatment Plant (EWTP) for treatment prior to domestic use. The EWTP was taken out of service in 1999 due to drought conditions. Due to lack of stream flow, the District was unable perform testing necessary to comply with the Interim Enhanced Surface Water Treatment Rule and the Stage 1 D/DBPR. Consequently, the EWTP was decertified by the State Department of Health Services and is no longer a source for the District but may be placed in service again in the future.

The District's use of surface water for domestic purposes was approximately 1,500 af/yr based on the average of 1985 to 1998 filter plant production records. The District's use of surface water for agricultural purposes based on irrigation stream diversions from 1985 to 1998 averaged 2,200 af/yr for a total of 3,700 af/yr. From 1999 to 2004, with the EWTP offline and reduced surface flows due to drought, the District's use of surface water averaged only 1,900 af/yr. In 2010, the District conveyed 4,963 af of stream flows. In 2015, only 290 af was conveyed from stream flows as shown in Table 6-8.

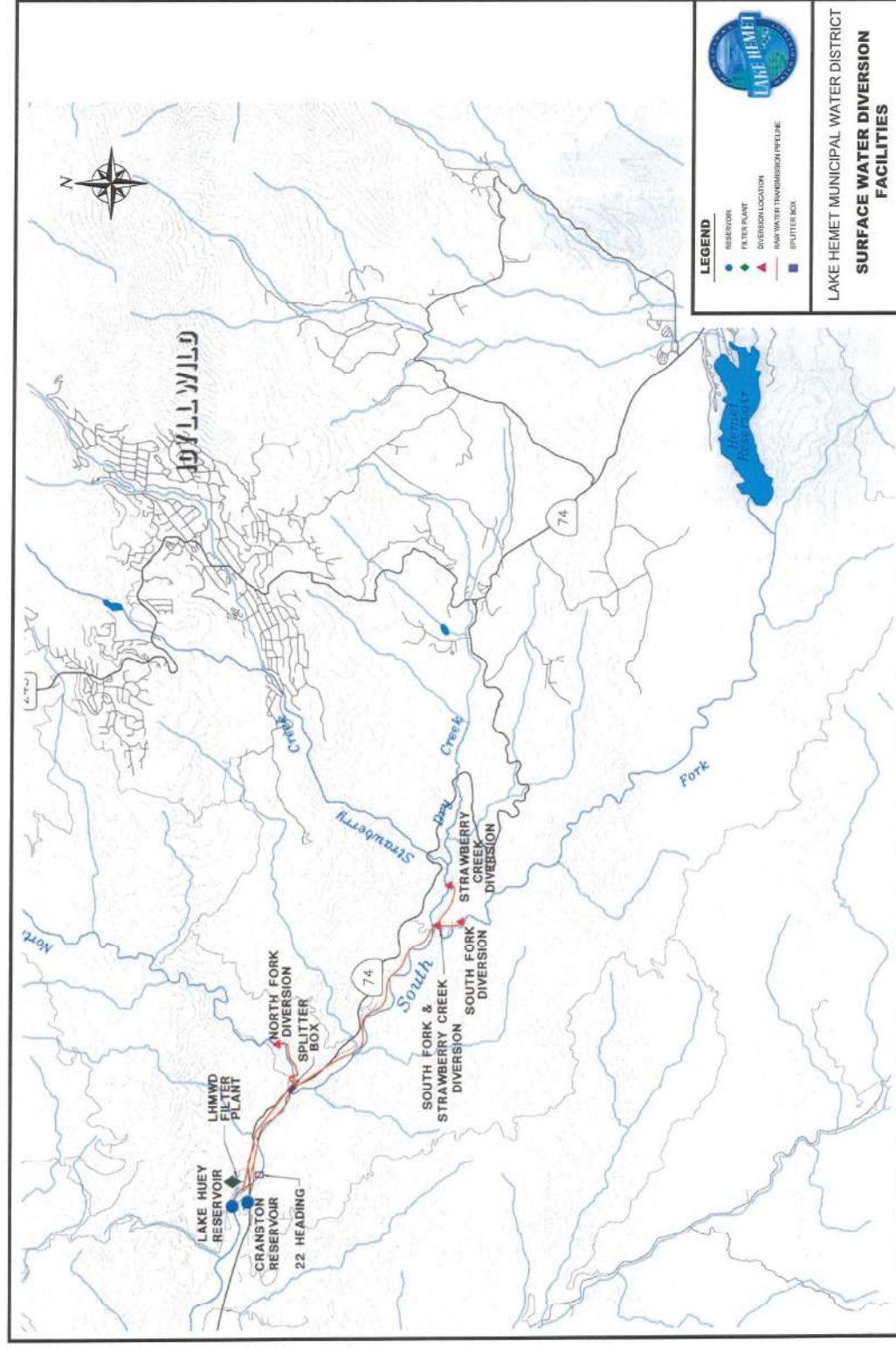


Figure 2

### 6.4 Stormwater

LHMWD receives stormwater through its use of stream flow. Lake Hemet stores storm water upstream of the dam. In addition, LHMWD has two cooperative projects to capture and recharge stormwater. The Little Lake Basin Recharge Modification Project No. 002-14 increased the basins retention capacity from 0 to 15 af. The project was completed in 2016. The Bautista Basin Recharge Optimization Project is currently in progress and will significantly increase the capacity of an existing set of weired basins to store and recharge stormwater from the Bautista Channel.

### 6.5 Wastewater and Recycled Water

*CWC 10633(a) (Describe) the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.*

Wastewater collection services are provided by LHMWD within its service area. Transmission and treatment services are provided by EMWD. Wastewater from LHMWD's service area is treated at either EMWD's Perris Valley or San Jacinto Valley Regional Water Reclamation Facility. EMWD presently operates four regional water reclamation facilities. All four water reclamation facilities are capable of producing tertiary treated water.

In 2020, LHMWD conveyed 6,904 af of potable water for residential or commercial uses. Assuming 35% of that water is discharged into the wastewater system, 2,420 af of wastewater from LHMWD customers was conveyed to EMWD's water reclamation facilities. It is estimated that EMWD will have up to approximately 5,000 af/yr of tertiary treated recycled water available to sell to willing buyers in the Hemet-San Jacinto basin. Table 6-2 shows the volume of wastewater collected in the LHMWD area.

*CWC 10633(c) (Describe) the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use).*

Recycled water is not currently available or used within LHMWD's service area. The nearest recycled water pipeline is 2½ miles from LHMWD's service area. However, LHMWD and EMWD staff have discussed potential pipeline options and demand estimates.

In addition, LHMWD along with the other water agencies participated in the In-Lieu Agreement for the Scott Brothers Dairy and Rancho Casa Loma. That agreement supplies up to 8,000 afy of recycled water to the private agricultural groundwater pumpers in exchange for the pumpers to not use an equivalent amount of groundwater from their wells. The agreement funded 13,000 lf of 24" pipeline and subsidized the

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difference in the recycled water cost and the pumpers cost to pump their well. Additional agreements are currently in negotiations.

EMWD can convey recycled water throughout their service area. Demand for recycled water exceeds supply in the summer and is lower than supply in winter, mostly due to seasonal irrigation demand patterns. To help meet the higher summer demands, EMWD constructed several large storage pond complexes such as those at their treatment plants, in Winchester, and San Jacinto at Alessandro. EMWD is also reviewing a recycled water demonstration storage project near Diamond Valley Lake. EMWD is starting to upgrade their recycled water distribution system to resemble a typical potable water system with elevated storage tanks and booster stations.

The majority of the recycled water in EMWDs service area is used by agricultural users and sod farms. However, some golf courses and schools in the San Jacinto Valley such as West Valley and Tahquitz High Schools, Rancho Viejo Middle School, and Landmark and Diamond Valley Golf Courses are adjacent to transmission pipelines and use recycled water. All of these users are outside LHMWD's service area. The balance of the recycled water is disposed of through evaporation, incidental groundwater recharge, or pumped into the Temescal Wash and SARI brine line.

*CWC 10633(d) (Describe and quantify) the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.*

Citrus farmers in the Valle Vista area of LHMWD's service area would be the primary beneficiaries of using recycled water. The citrus groves used about 6,800 af in 2010. Deliveries are projected to be as much as 800 af/yr as shown in Table 6-9 but could be more. In preliminary discussions with farmers, interest in the program is high and positive. Issues of water quality, relative cost/rates, and infrastructure need to be addressed. The water quality objective for the Intake Sub-basin prohibits the use of recycled water due to TDS levels. The Intake Sub-basin includes about 30% of the citrus groves in LHMWD's service area. Another issue is the conversion of existing irrigation systems to be compliant with identification requirements for recycled water use. A challenge that is all too common with recycled water use is that citrus grove demand is highest in the summer and practically zero in the winter season especially with stream flows being available. Demand for recycled water in the summer already exceeds EMWD's available supply.

*CWC 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 pursuant to this subdivision.*

Any significant use of recycled water in LHMWD's service area depends almost entirely on citrus grove demand. No other single or group of potential recycled water users

## CHAPTER 6 – Water Supply Characterization

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would likely justify the infrastructure. Several schools and two parks spread across the District's service area are not centralized and would each require a long distribution main measuring miles. Coupled with no extra supply in summer, the impetus for developing such an extensive wide-spread infrastructure system for relatively low volume users other than citrus is not practical.

Regardless of source, citrus grove demand is projected to be fixed in the future. If any changes occur, the tendency would be for existing groves to be developed into residential tracts or other land use. This tendency would reduce water demand as a whole and recycled water almost entirely.

Recycled water use was not projected in the District's 2000 Urban Water Management Plan update. In the 2005 UWMP, 800 af of recycled water use was projected for 2010. As mentioned above, recycled water still is not used within LHMWD's service area. The nearest recycled water pipeline is 2½ miles from the District's service boundary. Other challenges such as water quality, relative water rates, conversion, and seasonal availability hamper the efforts to extend recycled water use to the largest potential users, the citrus grove farmers.

*CWC 10633(f) (Describe the) actions, including financial incentives, 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.*

LHMWD along with the 3 other water agencies agreed to the In Lieu Water Agreement for the Scott Brothers and the Rancho Casa Loma. Through the agreement, the two farms will use up to 8,000 afy of recycled water instead of pumping groundwater from their wells. The agreement also provides for the shared funding of \$3.2M in pipeline costs and the subsidizing of the difference between the water user's lower cost of pumping their own wells and the higher cost of recycled water. Similar agreements are in negotiations with other farms in the vicinity. The agreements have the same benefit of directly not pumping from water agency wells and at a reasonable cost.

*(Provide a) plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use (10633(g)).*

LHMWD does not own or operate a recycled water system. Consequently, LHMWD does not have a recycled water master plan. However, LHMWD participates with EMWD, the City of Hemet, and San Jacinto in reviewing, developing, and funding recycled water projects to increase the availability and use of recycled water. EMWD is the lead agency regarding recycled water usage as the owner of the regional wastewater treatment facilities and transmission systems.



### 6.6 Desalinated Water Opportunities

*CWC 10631(i) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.*

There are no significant quantities of saline or brackish water within the District's boundaries that can be developed into long-term supplies. LHMWD's service area is 40 horizontal miles from and 1,600 feet vertically above the nearest ocean shore making desalination of ocean water impractical. However, salt management of the basins is discussed in the WMP as a long term objective that only needs to be monitored for now. EMWD already has desalters in operation but not in the Hemet-San Jacinto basins. Westerly areas near Winchester and Nuevo are experiencing high salt/TDS levels so intrusion should be monitored. The Santa Ana Regional Water Quality Board has set relatively low water quality basin objectives that will help preserve the low TDS levels in the sub-basin in LHMWD's service area.

### 6.7 Transfer Opportunities

Presently, there are no plans to transfer or exchange water. With the WMP's emphasis on conjunctive use and the near-future availability of recycled water, the District will have the supplies necessary to satisfy future demand.

### 6.8 Future Water Projects

*CWC 10631(h) (Describe) all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs, other than the demand management programs identified pursuant to paragraph (1) of subdivision (f), that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.*

There are two major projects that will ensure the District's ability to meet future demand: (1) replace the Eggen Water Treatment Plant with a membrane filtration plant, and (2) invest with EMWD in a pipeline and pumping plant to get recycled water to the irrigation canal system. An additional EMWD potable connection as well as the Mountain Well and redrilling No.8 will restore/increase supply. Future projects are listed in Table 6-7.

### **New Water Treatment Plant**

Historically, the District has primarily relied on groundwater supplies to meet its potable and non-potable water demands. Even after 1982, when the treated water filter plant (EWTP) went into operation, groundwater has continued to be used as the primary water supply source for both domestic and agricultural use. The District's surface water use is not necessarily reflective of actual surface water availability. Due to constraints in the ability to capture, store and treat surface water supplies, the District is unable to fully take advantage of local runoff when it is available. The ability to maximize its use of local surface water will require modification to the EWTP by using the existing pressure filters as pretreatment and providing final treatment with a microfiltration membrane plant.

The District received an offer from Westech Engineering to build a microfiltration plant at the EWTP location. The projected capital and construction cost for a 3 MGD plant is \$4.5 million. Projected O&M costs would be approximately \$35,000 annually. Onsite pilot plant work would cost about \$100,000. Construction could begin as early as 2018 with completion within one year. Funding would come from grants and the District's Capital Improvement Projects fund.

From 1985 to 1998, the EWTP treated on average about 1,500 acre-feet per year. Due to process constraints, the raw water feeding the plant had to be low in turbidity and color, limiting the operation of the plant to periods of non-turbulent stream flow. During periods of rainfall when raw water turbidity was high, the District was unable to exercise its diversion rights due to the limitations of the EWTP and a lack of demand for irrigation water. A more efficient treatment plant will allow the District to capture a portion of these flows resulting in an increased treated water production of 500 to 1,000 acre-feet annually.

### **6.9 Summary Of Existing and Planned Sources Of Water**

Tables 6-8 and 6-9 provide a summary list of the sources and quantities of water currently and in the future.

### **6.10 Energy Use**

*CWC 10631.2 (a) In addition to the requirements of Section 10621, an urban water management plan shall include any of the following information that the urban water supplier can readily obtain...*

An estimate of LHMWD's energy use was made using the DWR recommended approach and readily obtainable data and is summarized in the DWR table included in Appendix N.

## **CHAPTER 7**

# **WATER SUPPLY RELIABILITY AND DROUGHT RISK ASSESSMENT**

# CHAPTER 7 – Water Supply Reliability and Drought Risk Assessment

## CHAPTER 7: Water Supply Reliability Water Shortage Contingency Planning

### 7.1 Constraints on Water Sources

*CWC 10631(c)(2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.*

Table D identifies surface water as the only supply significantly affected by climatic conditions. During dry hydrologic periods, stream flows are not consistent and cannot be relied upon. Discharges from Lake Hemet will help offset in the first years of the dry period but would eventually run dry for extended droughts. During these periods groundwater from the District’s wells will make up the supply shortfall. Purchases of groundwater or imported water from EMWD would be used as an alternative source. Given LHMWD’s long standing water rights, the progressing implementation of the WMP, high groundwater quality, and the absence of foreseeable environmental challenges, only climatic variations are expected to influence LHMWD supply sources in available surface water.

Name of supply	Legal	Environmental	Water Quality	Climatic
Surface water				✓

*CWC 10634 The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.*

Water from the aquifers supplying District wells is generally of high quality. Total dissolved solids are in the range of 220 milligrams per liter (mg/l) to 370 mg/l. Some areas of the Intake and Hemet South sub-basins have elevated nitrate levels due to a history of intensive farming, and consequently, high levels of fertilizer application. Wells in these areas produce water for irrigation only, and are not part of the domestic supply. This particular scheme of groundwater management will continue into the foreseeable future. There has been no evidence of nitrate migration towards domestic production wells which are located miles away from these irrigation wells. Water quality is not projected to have an impact on water supply reliability. See Appendix M, “2020 Consumer Confidence Report”, for additional water quality information.

## 7.2 Reliability by Type of Year

*CWC 10631(c)(1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following: (A) an average water year, (B) a single dry water year, (C) multiple dry water years.*

Table 7-1 lists the years used as a basis for the average, single driest and driest multiple year period and the associated percent of available water supply.

In an average hydrologic year, the District can produce enough water from its sources to meet demand. In years when rainfall, and consequently, runoff from the San Jacinto Mountains is below normal, increased groundwater production from District wells, increased releases from Lake Hemet Reservoir and purchases from EMWD or the proposed Water Master will offset the loss of surface water.

## 7.3 Supply and Demand and Drought Risk Assessment

*CWC 10635(a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.*

### Projected Average Water Year Supply and Demand

Table 7-2 projects the amount of source water that will be available during an average hydrologic year through 2040. These supplies will be comprised of groundwater, surface water and recycled water.

Average hydrologic year demand increases due to population growth in the District's service area and is also shown in Table 7-2.

Average year supplies will be adequate to meet demand due to increased utilization of surface water for domestic customers by treating water in a new water treatment plant and purchasing recycled water from EMWD for agricultural uses.

## CHAPTER 7 – Water Supply Reliability and Drought Risk Assessment

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### **Dry Hydrologic Year Supply and Demand**

The source most impacted by a dry hydrologic year is stream flow. Even with this decrease in surface water availability, single dry year supplies will be adequate to satisfy the increased demand as shown in Table 7-3 due to two factors: (1) the ability to pump more groundwater for domestic customers, and (2) an increase in the amount of water released from Lake Hemet Reservoir for agricultural needs. These factors allow the District to increase supplies for a single dry year.

Demand in a single dry year will increase due to increased irrigation in the residential and agricultural sectors. Table 7-3 displays the projected increase in demand and the comparison between supply and demand in dry hydrologic years through 2040.

### **Projected Multiple-Dry-Year Supply and Demand Comparison**

Multiple dry years create slightly higher demand the longer the drought continues as private wells and storage decrease. The District projects that supplies will be adequate during drought due to the ability to pump more groundwater, release extra water from Lake Hemet Reservoir, and to purchase supplemental groundwater from EMWD for domestic customers. Table 7-4 compares the projected supplies with projected demands if multiple dry years occur during any period from 2025 to 2040 and Table 7-5 shows the 5 year drought risk assessment.

The surpluses shown in the scenarios described about indicate the supply will be sufficient to meet the demand. Actual production will not exceed demand. The projected surplus will result in groundwater not being pumped, not as much imported water purchased, and/or water retained in lake storage which will increase the overall reliability of supplies when if the dry years are worse or longer than estimated.

**CHAPTER 8**

**WATER SHORTAGE CONTINGENCY  
PLAN**

### CHAPTER 8: Water Shortage Contingency Plan

#### 8.1 Water Supply Reliability Analysis

*CWC 10632(a)(1) The analysis of water supply reliability conducted pursuant to Section 10635.*

LHMWD sources of supply and reliabilities are covered in Chapters 6 and 7 of the 2020 UWMP. Sources consist of locally pumped groundwater from the San Jacinto Basin, surface water diversions from the San Jacinto River System and water purchases from the Eastern Municipal Water District (EMWD).

With the ability to purchase supplemental groundwater and imported water from the Hemet-San Jacinto Watermaster and/or EMWD, the District can sufficiently meet anticipated demands in the event of droughts or other water shortages.

#### 8.2 Annual Water Supply and Demand Assessment Procedures

*CWC 10632 (a)(2) The procedures used in conducting an annual water supply and demand assessment that include, at a minimum, both of the following:*

*(A) The written decision-making process that an urban water supplier will use each year to determine its water supply reliability.*

*(B) The key data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year, including all of the following:*

*(i) Current year unconstrained demand, considering weather, growth, and other influencing factors, such as policies to manage current supplies to meet demand objectives in future years, as applicable.*

*(ii) Current year available supply, considering hydrological and regulatory conditions in the current year and one dry year. The annual supply and demand assessment may consider more than one dry year solely at the discretion of the urban water supplier.*

*(iii) Existing infrastructure capabilities and plausible constraints.*

*(iv) A defined set of locally applicable evaluation criteria that are consistently relied upon for each annual water supply and demand assessment.*

*(v) A description and quantification of each source of water supply.*

*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.*



Beginning on July 1, 2021, water suppliers are required to submit an Annual Water Supply and Demand Assessment (Annual Assessment) to the DWR. The Annual Assessment will include a written decision-making process as well as the data and methodologies used to complete the assessment.

### **8.2.1 Decision Making Process**

LHMWD will evaluate potable and non-potable supplies and demands and determine whether a water shortage exists based on the condition of existing groundwater sources, surface water sources, the District's ability to import water and the current/expected climate in the spring of each year. In the event it is determined that a shortage exists, the level of shortage and appropriate responses will be evaluated and included in the Assessment. The Assessment will be submitted to the DWR by July 1, 2021 or within 14 days of receiving notification of final allocations, whichever is later.

### **8.2.2 Data and Methodologies**

The District will evaluate available supplies for the current year while considering the possibility of a following dry year using the following primary data and methodologies:

#### **Evaluation Criteria**

Locally applicable evaluation criteria will include current existing local rainfall and groundwater levels in relation to historical levels, any changes imported water availability and current demands.

#### **Water Supply**

Available supplies will be listed based on current capacities for each source and any expected short-term reductions or increases.

#### **Unconstrained Customer Demand**

Expected unconstrained demands will be estimated and reviewed using current consumption data and 2020 UWMP projections in addition to any newly available information regarding increased service connections or changes in land use.

#### **Current and Subsequent Dry Year Water Use**

Expected water use for the current year will be described using current data and anticipated climate with the assumption that the following year will be dry.

### Infrastructure Considerations

Existing production capacities and distribution facilities will be reviewed and evaluated based on the ability to supply expected demands. Anticipated capital improvements which are expected to affect production will also be considered.

### Other Factors

Any additional factors or conditions which may affect District supplies will also be considered.

### 8.3 Six Standard Water Shortage Stages

*CWC 10632 (a)(3) (A) 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. Urban water suppliers shall define these shortage levels based on the suppliers' water supply conditions, including percentage reductions in water supply, changes in groundwater levels, changes in surface elevation or level of subsidence, or other changes in hydrological or other local conditions indicative of the water supply available for use. Shortage levels shall also apply to catastrophic interruption of water supplies, including, but not limited to, a regional power outage, an earthquake, and other potential emergency events.*

*(B) An urban water supplier with an existing water shortage contingency plan that uses different water shortage levels may comply with the requirement in subparagraph (A) by developing and including a cross-reference relating its existing categories to the six standard water shortage levels.*

The California Water Code requires water suppliers to include six standard water shortage stages representing associated shortages from normal supply and reliability (up to ten, twenty, thirty, forty, fifty, and greater than fifty percent). Table E (DWR Table 8-1) below provides a brief description of the six standard stages.

## CHAPTER 8 – Water Shortage Contingency Plan

Table E.

Submittal Table 8-1 Water Shortage Contingency Plan Levels		
Shortage Level	Percent Shortage Range	Shortage Response Actions <i>(Narrative description)</i>
1	Up to 10%	Stage 1 - Voluntary ten percent reduction in water consumption
2	Up to 20%	Stage 2 - Emergency conservation rate structure implementation
3	Up to 30%	Stage 3 - Water waste ban, water use restrictions, enforcement penalties and fines
4	Up to 40%	Stage 4 - Increased water use restrictions, increased conservation rates, increased penalties and fines
5	Up to 50%	Stage 5 - Further Increased water use restrictions, increased conservation rates, increased penalties and fines
6	>50%	Stage 6 - Further Increased water use restrictions, increased conservation rates, increased penalties and fines
NOTES: Specific response actions listed in Table 8-2		

The District’s WSCP from 2015 utilized four shortage stages which are related to the current six shortage stages required in the 2020 WSCP as follows:

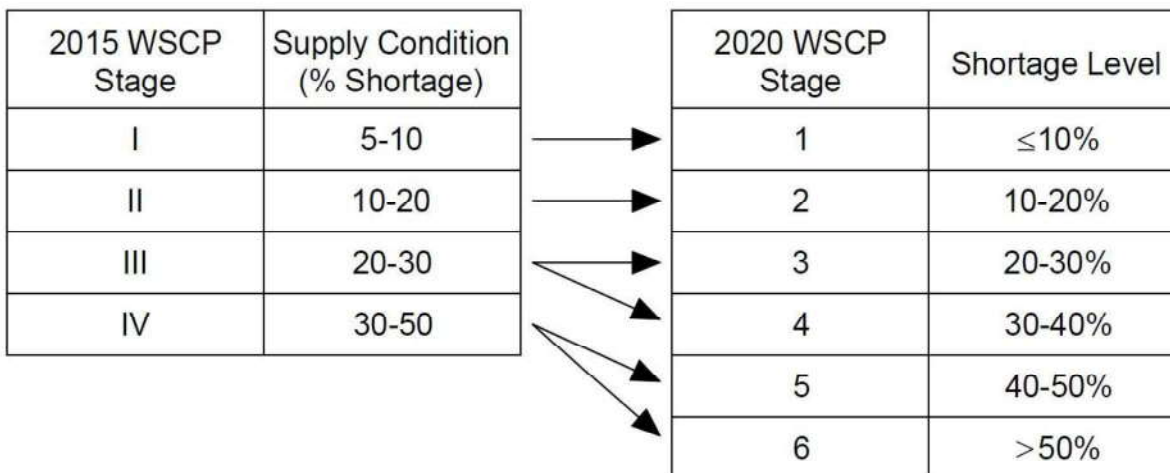
- Stage 1 representing a shortage of up to ten percent is addressed using the previous Stage 1 triggers and responses
- Stage 2 representing a shortage of between ten and twenty percent is addressed using the previous State 2 triggers and responses
- Stage 3 representing a shortage of between twenty and thirty percent is addressed using the previous Stage 3 triggers and responses
- Stage 4 representing a shortage of between thirty and forty percent is addressed using the previous Stage 3 triggers and responses
- Stage 5 representing a shortage of between forty and fifty percent is addressed using the previous Stage 4 triggers and responses
- Stage 6 representing a shortage of more than fifty percent is addressed using the previous Stage 4 triggers and responses

## CHAPTER 8 – Water Shortage Contingency Plan

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A crosswalk diagram showing the six standard shortage levels in relation to the four previous shortage levels is shown below.

### Corresponding Relationships Between 2015 Shortage Levels and 2020 WSCP Mandated Shortage Levels



### 8.4 Shortage Response Actions

*CWC 10632 (a)(4) Shortage response actions that align with the defined shortage levels and include, at a minimum, all of the following:*

- (A) Locally appropriate supply augmentation actions.*
- (B) Locally appropriate demand reduction actions to adequately respond to shortages.*
- (C) Locally appropriate operational changes.*
- (D) Additional, mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions and appropriate to the local conditions.*
- (E) For each action, an estimate of the extent to which the gap between supplies and demand will be reduced by implementation of the action.*

#### 8.4.1 Demand Reduction

LHMWD utilizes consumption reduction methods to lower potable water demands. The demand reduction actions that will be implemented for each corresponding shortage level are detailed below in general. Table 8-2 included in Section 8.4.7 lists specific actions and associated reductions.

### **Stage 1 Water Supply Shortage Level**

Shortage Level 1 is triggered by a determination of the following:

- Existence of drought conditions
- A general water shortage of up to ten percent locally and/or statewide and lowered reserves

The District may activate by resolution a voluntary ten percent reduction in water consumption of retail users by refraining from hosing down driveways and other hard surfaces, repairing faucets, toilets and other sources of water leaks, and irrigating between 5 p.m. and 10 a.m., to minimize evaporation and to reduce peak demands in mid-afternoon. Leak detection and repair program will be accelerated and public education will be increased.

### **Stage 2 Water Supply Shortage Level**

Shortage Level 2 is triggered by the determination of the following:

- Continuation of drought conditions
- A reduction in water supply and production of up to twenty percent
- Limited surface water availability
- Limited wholesale supplemental water

The District may activate by resolution an emergency rate structure to result in further conservation. Stage 1 reduction methods would be maintained with increased public education and conservation awareness campaigns.

### **Stage 3 Water Supply Shortage Level**

Shortage Level 3 is triggered by the determination of the following:

- Continuation and worsening of drought conditions
- A reduction in water supply and production of up to thirty percent
- Further limited surface and supplemental water availability
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass an emergency ordinance(s) restricting certain water uses, banning all forms of waste, increasing emergency rates and limiting or banning additional service connections. A system of enforcement and penalties to regulate the restrictions and assure a fair and equal use of water resources would be implemented as well. Stage 1 and 2 reduction methods would be maintained. Public information and education would

be further increased to keep the public aware and informed of all aspects of the emergency.

### **Stage 4 Water Supply Shortage Level**

Shortage Level 4 is triggered by the determination of the following:

- Continuation and worsening of drought conditions
- A reduction in water supply and production of up to forty percent
- Unavailability of surface water
- Rationing of supplemental water
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass emergency ordinance(s) or resolutions limiting or banning additional service connections, further restricting certain water uses, increasing emergency rates and implementing higher fines and penalties. Stage 1, 2 and 3 reduction methods would be maintained. Public information and education would continue to keep the public aware and informed of all aspects of the emergency.

### **Stage 5 Water Supply Shortage Level**

Shortage Level 5 is triggered by the determination of the following:

- Critical drought conditions
- A reduction in water supply and production of up to fifty percent
- Unavailability of surface water
- Further rationing of supplemental water
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass emergency ordinance(s) or resolutions limiting or banning additional service connections, further restricting certain water uses, increasing emergency rates and implementing higher fines and penalties. Stage 1, 2, 3 and 4 reduction methods would be maintained. An intensive public information and education campaign would be implemented to maintain public awareness of all aspects of the emergency.

### **Stage 6 Water Supply Shortage Level**

Shortage Level 6 is triggered by the determination of the following:

- Extreme drought conditions
- A reduction in water supply and production of more than fifty percent
- Unavailability of surface water

# CHAPTER 8 – Water Shortage Contingency Plan

- Unavailability or further rationing of supplemental water
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass emergency ordinance(s) or resolutions limiting or banning additional service connections, further restricting certain water uses, increasing emergency rates and implementing higher fines and penalties. Stage 1, 2, 3, 4 and 5 reduction methods would be maintained. Intensive public information and education campaign would be continued to maintain public awareness of all aspects of the emergency.

## 8.4.2 Supply Augmentation

LHMWD continually analyzes options for adding to the water supply and increasing reliability. The District relies primarily on the demand reduction actions covered in both the UWMP and WSCP to ensure existing sources continue to meet demands. While there are not currently any plans to add new sources of water, increasing supplies from existing sources is considered. This is accomplished through increased groundwater production and the ability to purchase additional imported water as needed. DWR Table 8-3 below lists available supply augmentations.

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
All	Expand Public Information Campaign	1%	
All	Improve Customer Billing	1%	
All	Other Purchases	Varies	LHMWD has the ability to purchase additional imported water
NOTES:			

## 8.4.3 Operational Changes

Changes to District operations in response to water shortages include the avoidance of routine line and hydrant flushing and replacement of leaking waterlines and facilities to reduce the unmetered water losses. As discussed in Section 8.6, the District already utilizes automatic meters which aid in the tracking and analysis of customer water usage.

## CHAPTER 8 – Water Shortage Contingency Plan

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It is anticipated that increased monitoring for leaks and usage reporting provided to customers will result in additional demand reduction.

### 8.4.4 Additional Mandatory Restrictions

Mandatory restrictions which can be implemented in response to supply shortage conditions and declaration of a water shortage are covered in Section 8.4.1. In the event it is determined that additional restrictions are needed, they may be implemented per the procedures covered in Sections 8.10 and 8.12.

### 8.4.5 Emergency Response Plan

LHMWD's Emergency Response Plan (ERP) includes staff responsibilities and procedures for responding to a catastrophic interruption of water supplies. The two catastrophic events that would most likely affect water supply and delivery would be a regional power outage and an earthquake. A power outage would cause the District's well and booster pumps to shut down, interrupting the supply of water to customers. In anticipation of such an event occurring, the District maintains generators that will supply power to several well sites and hillside booster stations. These backup power sources would help to maintain water levels in the storage tanks until the power company got its distribution grid re-energized. If necessary, customers would be notified of the problem and asked to refrain from unnecessary watering. Earthquake considerations are covered in Section 8.4.6 and a table showing planned response actions is shown below.

Possible Catastrophe	Summary of Action
Regional Power Outage	On-site generators at 7 major well sites will be utilized; notify public of emergency and ask to eliminate unnecessary use of water; Implement Emergency Response Plan; SEMS
Earthquake	Implement Emergency Response Plan; SEMS



### 8.4.6 Seismic Risk Assessment and Mitigation Plan

*CWC 10632.5. (a) In addition to the requirements of paragraph (3) of subdivision (a) of Section 10632, beginning January 1, 2020, the plan shall include a seismic risk assessment and mitigation plan to assess the vulnerability of each of the various facilities of a water system and mitigate those vulnerabilities.*

*(b) An urban water supplier shall update the seismic risk assessment and mitigation plan when updating its urban water management plan as required by Section 10621.*

*(c) An urban water supplier may comply with this section by submitting, pursuant to Section 10644, a copy of the most recent adopted local hazard mitigation plan or multihazard mitigation plan under the federal Disaster Mitigation Act of 2000 (Public Law 106-390) if the local hazard mitigation plan or multihazard mitigation plan addresses seismic risk.*

LHMWD is located within Riverside County. The Riverside County Local Hazard Mitigation Plan includes seismic risk assessment and is available at <https://rivcoemd.org/LHMP>.

Similar to much of the State of California, the LHMWD service area includes fault lines capable of producing earthquakes with the potential to cause significant damage and compromise functionality of the District's water system and supplies. These include the Casa Loma, Park Hill and Claremont Faults as shown in Figure 1 of the 2020 UWMP. In the event of an earthquake, the ability of the District to regain full functionality of its system would depend on the severity of the earthquake and the extent of the subsequent damage. The District is in the process of upgrading its storage facilities to prevent pipelines from rupturing at the connections to the tanks and anchoring the tanks to their bases. These are preventative measures design to minimize damage during an earthquake. After an event occurs, district personnel will respond to storage tanks, well sites and other critical facilities to assess and report any damage. The District's emergency response plan which includes coordination with other agencies through the Standard Emergency Management System (SEMS) will be implemented.

# CHAPTER 8 – Water Shortage Contingency Plan

## 8.4.7 Shortage Response Action Effectiveness

Shortage response action effectiveness is estimated based on District experience and observations. Table G (DWR Table 8-2) below lists response actions and associated effectiveness.

Table G.

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUtdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only Drop Down List</i>
<i>Add additional rows as needed</i>				
All	Expand Public Information Campaign	1%		No
All	Offer Water Use Surveys	1%		No
All	Decrease Line Flushing	3%		No
2	Improve Customer Billing	1%		No
3	Landscape - Restrict or prohibit runoff from landscape irrigation	2-5%		Yes
3	Landscape - Limit landscape irrigation to specific days	5-7%		Yes
3	CII - Lodging establishment must offer opt out of linen service	2-5%		Yes
3	CII - Restaurants may only serve water upon request	1%		Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	3%		Yes
3	Other - Require automatic shut of hoses	2%		Yes
3	Other - Prohibit use of potable water for washing hard surfaces	2-5%		Yes
3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	2%		Yes
4	Increase Water Waste Patrols	2%		No
4	Increase Frequency of Meter Reading	1%		No
4	Moratorium or Net Zero Demand Increase on New Connections	5-10%		No
4	Landscape - Prohibit certain types of landscape irrigation	2-5%		Yes
5	Other - Prohibit use of potable water for construction and dust control	5%		Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	5%		Yes
5	Pools - Allow filling of swimming pools only when an appropriate cover is in place.	2-5%		Yes
5	Pools and Spas - Require covers for pools and spas	2-5%		Yes
6	Landscape - Prohibit all landscape irrigation	20%		Yes
NOTES:				

### 8.5 Communication Protocols

*CWC 10632. (a)(5) Communication protocols and procedures to inform customers, the public, interested parties, and local, regional, and state governments, regarding, at a minimum, all of the following:*

*(A) Any current or predicted shortages as determined by the annual water supply and demand assessment described pursuant to Section 10632.1.*

*(B) Any shortage response actions triggered or anticipated to be triggered by the annual water supply and demand assessment described pursuant to Section 10632.1.*

*(C) Any other relevant communications.*

The District anticipates using the DWR Annual Assessment to evaluate supply shortage conditions. When supply shortage stage conditions are determined to exist, the conditions may be declared by resolution and adopted at a regular or special meeting of the LHMWD Board of Directors with requirements and actions applicable to each stage taking effect after the stage level is declared. Communication protocols for notifying customers may include regularly posted meeting agendas, special postings to the Districts website, billing inserts for both mailed and emailed statements, door hangars, and direct contact with customers by District Staff.

### 8.6 Compliance and Enforcement

*CWC 10632. (a)(6) For an urban retail water supplier, customer compliance, enforcement, appeal, and exemption procedures for triggered shortage response actions as determined pursuant to Section 10632.2.*

The WSCP includes voluntary demand reduction of 10% which is facilitated primarily through public education and tiered rates. The District utilizes automatic meters which aid in determining leaks and violations.

The District will provide violators a warning and description of the violation at the premises on which it occurred. The taking of any prohibited action is an infraction, punishable by a fine of up to five hundred dollars for each day in which the violation occurs. In the event that mandatory restrictions are imposed and require enforcement, the District will issue progressively increasing fines per LHMWD Resolution 752 which is appended to the 2020 UMWP as follows:

1 <sup>st</sup>	Offense -	Warning
2 <sup>nd</sup>	Offense -	Warning
3 <sup>rd</sup>	Offense -	Warning
4 <sup>th</sup>	Offense -	\$50 Fine
5 <sup>th</sup>	Offense -	\$100 Fine
6 <sup>th</sup>	Offense -	\$500 Fine

### 8.7 Legal Authorities

*CWC 10632. (a)(7)(A) A description of the legal authorities that empower the urban water supplier to implement and enforce its shortage response actions specified in paragraph (4) that may include, but are not limited to, statutory authorities, ordinances, resolutions, and contract provisions.*

*(B) A statement that an urban water supplier shall declare a water shortage emergency in accordance with Chapter 3 (commencing with Section 350) of Division 1.*

*(C) A statement that an urban water supplier shall coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency, as defined in Section 8558 of the Government Code.*

*CWC Division 1, Section 350 The governing body of a distributor of a public water supply, whether publicly or privately owned and including a mutual water company, shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.*

LHMWD Resolution No. 752 (Implementation of Mandatory Water Conservation) was adopted in 2015 and authorizes the General Manager to implement restrictions on water consumption in Section 3 in addition to the authority to ensure compliance and made amendments/refinements to water conservation actions and procedures. LHMWD Resolution No. 803 (Adoption of 2020 Urban Water Management Plan and Water Shortage Contingency Plan) authorizes the General Manager to declare water shortages and implement the programs set forth in the UWMP and WSCP. Resolution Nos. 752 and 803 are included in the appendix of the 2020 UWMP.

The District shall declare a water shortage as required and in accordance with Water Code Chapter 3 and shall coordinate with any city or county within which it provides water supply services for the proclamation of a local emergency, including the County of Riverside, City of Hemet and City of San Jacinto.

### 8.8 Financial Consequences of WSCP

*CWC 10632. (a)(8) A description of the financial consequences of, and responses for, drought conditions, including, but not limited to, all of the following:*

*(A) A description of potential revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).*

*(B) A description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).*

*(C) A description of the cost of compliance with Chapter 3.3 (commencing with Section 365) of Division 1.*

## CHAPTER 8 – Water Shortage Contingency Plan

Potential financial consequences for the District caused by the implementation of WSCP actions include reduced revenue due to reduced water use as well as increased staffing requirements for implementing and tracking response actions. While reduced water consumption will result in lower water sales and revenue, associated costs tend to be lower such as pumping power costs, water purchase costs, and chlorine disinfection costs. However, a portion of costs are fixed and not dependent on water volume such as billing, meter reading, water quality testing, administration, pipeline maintenance, standby utility costs, and facility maintenance. As with many agencies, LHMWD rates include a fixed portion that is not dependent on water consumption. The fixed portion of the rate structure provides a more stable and consistent revenue source and protects LHMWD from fluctuations associated with water consumption. In 2015, fixed portion of the rate was increased 2/3. These increases should provide steady levels of adequate revenue for vital LHMWD functions to offset anticipated revenue losses associated with desired reduced consumption. LHMWD also maintains a rate stabilization fund to offset volatile fluctuations in revenue such as those from short term changes in water consumption.

Note for the last several years, LHMWD is already experiencing per capita water consumption that meets the 2020 target and the anticipated impacts on revenue. The rate increases and rate stabilization are having positive impacts toward LHMWD maintaining adequate fund balances.

### Analysis of Revenue Impacts of Reduced Sales During Shortages

Most, if not all, of the above demand reduction measures will impact the District financially through reduced water sales. These measures primarily target the domestic system customer sectors more so than the agricultural sector as farmers have already invested heavily in water saving equipment and practices to maintain their market viability. If anything, irrigation sales will increase during a drought due to lack of rainfall and lower production from farmers' wells. The anticipated revenue losses delineated in Table H are based on 10%, 20%, 30% and 50% reductions in water use from 2010 projected domestic system average year demand.

<b>Table H. Actions and Conditions that Impact Revenues</b>				
Type	Anticipated Revenue Reduction			
	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Reduced Domestic Sales	\$745,630	\$1,491,260	\$2,236,890	\$3,728,150
Reduced Irrigation Sales	0	0	0	0

Based on retail price of domestic water @ \$943 per acre-foot and 2010 average domestic demand of 7,907 acre-feet

## CHAPTER 8 – Water Shortage Contingency Plan

During a drought, the costs of acquiring water increase. As groundwater levels drop, more electricity would be required to lift the water to the surface. Pumps designed to operate at shallower groundwater levels would need to be replaced with deep water designs. Higher horsepower motors would need to be installed. Consequently, higher operation and maintenance costs would be incurred. Surface supplies would be limited, or non-existent, and if well production did not keep up with demand, supplemental water would need to be purchased, increasing supply costs.

Category	Anticipated Cost			
	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Increased O&M cost	\$120,000	\$160,000	\$200,000	\$200,000
Increased cost of supply	0	0	\$300,000	\$300,000

To recover lost revenue, and to encourage conservation, rate increases will be implemented in Stages 2 – 6. In addition, effects of lost revenue will be partially mitigated by the utilization of funds restricted for rate stabilization.

Names of measures	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Rate adjustment (per ccf)	None	\$0.25	\$0.60	\$1.70
Development of reserves	Rate Stabilization Fund (\$800,000)	Rate Stabilization Fund (\$800,000)	Rate Stabilization Fund (\$800,000)	Rate Stabilization Fund (\$800,000)

Names of Measures	Summary of Effects			
	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Rate adjustment (per ccf)	\$ -	\$691,300	\$1,436,900	\$2,928,100
Development of Reserves	\$800,000	\$800,000	\$800,000	\$800,000

## CHAPTER 8 – Water Shortage Contingency Plan

Revenue Gain	\$800,000	\$1,491,300	\$2,236,900	\$3,728,100
Difference between Revenue Loss & Gain	\$54,370	\$0	\$0	\$0

The District uses the highest efficiency motors and pumps for each application. Increased operation and maintenance expenses due to lower water levels would be minimized by continuing to upgrade to the highest efficiency equipment available.

### 8.9 Monitoring and Reporting

*CWC 10632. (a)(9) For an urban retail water supplier, monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance and to meet state reporting requirements.*

Monitoring and reporting key water use metrics is fundamental to water supply planning and management and is essential in verifying that response actions are achieving the intended use reductions. Customer compliance will be monitored by District staff and used for implementing enforcement actions as needed. Billing systems and production tracking systems will be used to determine the effectiveness of response actions and will be used to determine whether refinement is necessary.

Table L. Water Use Monitoring Mechanisms	
Mechanism for determining actual reductions	Type and quality of data expected
Monitoring daily production records	Telemetry data will track overall system water use
Increased frequency of meter reads	Discover overuse of water – basis for penalties/fines

### 8.10 WSCP Refinement Procedures

*CWC 10632. (a)(10) Reevaluation and improvement procedures for systematically monitoring and evaluating the functionality of the water shortage contingency plan in order to ensure shortage risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented as needed.*

The WSCP is intended to be an adaptive management plan with refinements being implemented as needed. As mentioned in section 8.9, LHMWD will actively monitor shortage response actions to verify intended results. Suggestions and reports from Staff as well as customers will be considered.

## CHAPTER 8 – Water Shortage Contingency Plan

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It is anticipated that the WSCP will be re-evaluated along with the 2025 UWMP and will be referenced during completion of the Annual Assessment provided to the DWR. Should refinements be required in the interim, the District will update the WSCP per the requirements discussed below in section 8.12.

### 8.11 Special Water Feature Distinction

*CWC 10632. (b) For purposes of developing the water shortage contingency plan pursuant to subdivision (a), an urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.*

Water features are analyzed and considered separately from swimming pools by LHMWD and are defined as decorative fountains, ponds, lakes, or other aesthetic water structures.

### 8.12 Plan Adoption, Submittal and Availability

*CWC 10632. (c) The urban water supplier shall make available the water shortage contingency plan prepared pursuant to this article to its customers and any city or county within which it provides water supplies no later than 30 days after adoption of the water shortage contingency plan.*

The WSCP is adopted along with and as a part of the 2020 UWMP following the same process outlined in Chapter 10 of the UWMP. The public hearing and adoption is scheduled for 3:00 pm on December 16, 2021 at LHMWD offices at 26385 Fairview Avenue, Hemet, Ca. The WSCP will be available for public review along with the UWMP. Two notices will be publicized in the Press Enterprise on or near October 13, 2021 and October 20, 2021 which are separated by at least 5 intervening days, not including the publication dates, and at least 14 days before the public hearing. A copy of the legal ad is in Appendix F of the UWMP.

Within 30 days of adoption, LHMWD will submit copies of the UWMP to DWR, the California State Library, the City of Hemet, City of San Jacinto, and the County of Riverside. A similar 60-day requirement is described in California Water Code Section 10635.b. Compliance with the 30-day requirement will satisfy both sections.



## **CHAPTER 9**

# **DEMAND MANAGEMENT MEASURES**

### CHAPTER 9: Demand Management Measures

#### 9.1 DMMs

##### *CWC 10631*

*(f)(A) ... The narrative shall describe the water demand management measure that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.*

*(B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:*

*(i) Water waste prevention ordinances.*

*(ii) Metering.*

*(iii) Conservation pricing.*

*(iv) Public education and outreach.*

*(v) Programs to assess and manage distribution system real loss.*

*(vi) Water conservation program coordination and staffing support.*

*(vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.*

##### *CWC 10631*

*(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:*

*(1)(A) ... a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years.*

### **Demand Management Measures**

The District is committed to implementing water conservation programs. It should be noted that the degree of sophistication for a water conservation program suitable for a particular water agency is dependent on several factors that reflect the potential value and magnitude of water savings available to the water purveyor. These factors include the type of water sources, geography and climate, water use characteristics, cost of water, location relative to other water systems, and number of customers. Because the District has already implemented several water conservation measures, it does not appear that the District would realize large additional benefits compared with the high costs of implementation of a more detailed water conservation program. However, the District's implementation of its broad-based water conservation program will be an important component in the District's ability to serve future water demands.

## CHAPTER 9 – Demand Management Measures

Table M. Urban Water Management Planning Act Water Demand Management Measure	District Water Conservation Program Component		
	Currently Implemented	Scheduled for Implementation	Not Planned for Implementation
DMM 1: Water survey programs for single-family and multifamily residential customers	✓		
DMM 2: Residential plumbing retrofit		✓	
DMM 3: System water audits, leak detection and repair	✓		
DMM 4: Metering with commodity rates	✓		
DMM 5: Large landscape conservation programs and incentives	✓		
DMM 6: High-efficiency washing machine rebate program	✓		
DMM 7: Public information programs	✓		
DMM 8: School education programs		✓	
DMM 9: Conservation programs for commercial, industrial and institutional accounts		✓	
DMM 10: Conservation pricing	✓		
DMM 11: Water conservation coordinator	✓		
DMM 12: Water waste prohibition	✓		
DMM 13: Residential ultra-low flush toilet replacement program	✓		

A description of each measure is provided below. The District has estimated that approximately 1,000 afa of water can be saved by continued implementation of the DMMs.

### **DMM 1: Water survey programs for single-family and multifamily residential customers**

The majority of residential water audits are generated from billing clerk work orders. When the meter readers' hand-held computers are down-loaded and the current meter reading does not fall in line with the previous average use, a red flag is triggered. Clerks

## CHAPTER 9 – Demand Management Measures

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then write a work order to recheck the meter reading for correctness and to advise on the situation, e.g. new turf, new pool, vacant house, etc. In the past, as many as sixty work orders were generated that resulted in District staff contacting the customer to conduct a water audit. The District representative inspects indoor and outdoor fixtures and systems, such as, irrigation systems, leaking toilets, leaky faucets, etc., to determine the reason for excess water consumption. Subsequent water bills are checked to determine the effectiveness of the audit. This system has been in place for several years and will continue to be the District's primary method of addressing excessive consumption.

After already reaching the 2020 target objective of 142 gpcd, a District goal is to maintain or further reduce per capita consumption. The number of audits will need to be increased, concentrating on the largest consumers first. By reaching the 2020 target early, the District has saved over 15,500 acre-feet. Over this same period, increased audits of multi-family properties could save an additional 2,000 acre-feet.

### **DMM 2: Residential plumbing retrofit**

The District has made available a water conservation package to existing customers. The package included the following items:

- One shower flow restrictor; and
- Two toilet tank leak detection dye tablets.

The package was available at the District office for customer pickup at no charge. No records were kept as to how many were distributed.

The District plans to restart this program after 2011 and track the distribution of devices.

The Gas Company and Southern California Edison offer current rebates for low-flow shower heads. More information is available at:

<http://www.socalgas.com/for-your-home/rebates/>

<http://www.sce.com/residential/rebates-savings/rebates-savings.htm>

Planned	2006	2007	2008	2009	2010
# of single-family devices	30	30	30	30	30
# of multifamily devices	30	30	30	30	30
projected expenditures - \$	850	850	850	850	850

## CHAPTER 9 – Demand Management Measures

### DMM 3: System water audits, leak detection and repair

Typically, leaks are detected either visually or from large differences in production and sales records. These leaks are then further investigated, located, and repaired. As part of a collaborative effort with the State, the District developed a “Leaky Pipe Program” to replace old, domestic distribution system lines throughout the District. Existing steel pipelines, the majority of which are in excess of 40 years old and have deteriorated due to age and corrosive soils, were identified on an application to the State for financial help to fund this program. In 1998, the District’s application for a loan for approximately \$4 million at an interest rate of 2.4 percent over a 20-year period was approved by the State. The District’s Leaky Pipe Replacement Program ended in 2003 after the replacement of over nine miles of mainline. The estimated water savings associated with the replacement of the District’s leaky pipes, routine leak repairs, and other pipeline replacement projects is 500 af/yr.

The District continued its aggressive pipeline replacement by authorizing \$25M in bonds to fund the design and construction in 2010. Over \$8M of pipeline replacements are either completed, in construction, or in final design stages.

District staff monitors, on a monthly and annual basis, the amount of water produced and the amount of water used by its customers to determine the amount of unaccounted for or lost water. Over the last five years, the District’s unaccounted for water ranged from about 4 to 9 percent, averaging about 6.5 percent. Replacing pipelines is an ongoing business for the District due to the age of the system. In 2010, 15 miles of pipeline were replaced or are in final design for the capital replacement.

Table C1 - Actual	2006	2007	2008	2009	2010
% of unaccounted water	8.9	4.2	5.6	6.6	6.5
miles of lines repaired	3.2	2.4	2.5	0.9	0.7
actual expenditures - \$	1,287,235	1,253,173	959,995	330,265	1,700,000

### DMM 4: Metering with commodity rates for all new connections and retrofit of existing connections

*CWC 526*

*(a) Notwithstanding any other provisions of law, an urban water supplier that, on or after January 1, 2004, receives water from the federal Central Valley Project under a water service contract or subcontract... shall do both of the following:*

*(1) On or before January 1, 2013, install water meters on all service connections to residential and nonagricultural commercial buildings... located within its service area.*

## CHAPTER 9 – Demand Management Measures

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*CWC 527*

*(a) An urban water supplier that is not subject to Section 526 shall do both the following:*

*(1) Install water meters on all municipal and industrial service connections located within its service area on or before January 1, 2025.*

All domestic and irrigation water services in the District's distribution system are metered. In addition, the District has a meter maintenance/replacement program for improperly operating meters. The District recently changed its rate structure, adopting a fixed monthly service charge and a tiered inclining block charge for its residential customers. With this new rate structure, the user is charged per unit of water for every unit consumed, providing incentive to conserve. The District monitors water consumption on a monthly basis. Water use per capita is evaluated monthly, comparing current water use per capita with historic data.

### **DMM 5: Large landscape conservation programs and incentives**

The District has several landscape watering restrictions included in its Water Shortage Contingency Plan, which will be imposed during a drought or other water supply shortage emergency. However, the only incentive for these accounts to conserve on an on-going basis is the commodity rate structure currently in affect as detailed in DMM4 and DMM10. Landscape accounts pay a monthly service charge based on meter size, plus a unit charge for all water used. These accounts are audited by the billing department and unusual consumption is investigated by field personnel as described in DMM1. Effectiveness of the audits is determined by tracking water consumption after the audits are completed. Rebates for irrigation system improvements are available through the SoCal Water Smart program. Rebates up to \$3 for each rotating nozzle, and \$80 for smart irrigation controllers are available. More information can be found at: <http://socalwatersmart.com>. DWR administers turf replacement rebates up to \$2 per square foot.

### **DMM 6: High-efficiency washing machine rebate programs**

This program was implemented in May 2004 when the District entered into a “Residential Water Conservation Item Funding Agreement” with EMWD. This agreement was for the District’s high-efficiency washing machine and ultra-low flush toilet rebate programs. The Gas Company (<http://www.socalgas.com/for-your-home/rebates/>) and Southern California Edison offer rebates for washing machines with a current maximum of \$1,000 per home (<http://www.sce.com/residential/rebates-savings/rebates-savings.htm>). The District’s program administration costs are shown in the Table P below.

## CHAPTER 9 – Demand Management Measures

Table F1 – Actual	2005 (proj)	2010
\$ per rebate	110	\$35 +
# of rebates to be paid	60	100
Actual expenditures - \$	\$2000	\$3,500

Current rebates are also available through the SoCal Water Smart program. Rebates up to \$85 for each washing machine are available. More information can be found at: <http://socalwatersmart.com>.

### **DMM 7: Public information programs**

The District's public information program is implemented by the Customer Service Officer. Bill stuffers, rebates, news releases, and recommended web sites offering information on proper landscape watering techniques and water-saving devices or appliances are distributed to customers. The District developed a brochure entitled, "Every Drop Counts" which describes relatively easy ways for the consumer to save water in the bathroom, in the kitchen and laundry, and outside. The brochure is available at the District office, and is used as a bill stuffer. A water conservation group comprised of representatives from EMWD, the City of Hemet, District staff and the District meets monthly to coordinate conservation efforts. Below is a summary of the District's public information program.

Table G1 - Actual	2015	2016	2017	2018	2019 (proj)
a. Paid Advertising	No	If needed	If needed	If needed	If needed
b. Public Service Announcement	Yes	Yes	Yes	Yes	Yes
c. Bill inserts / Newsletters / Brochures	Yes	Yes	Yes	Yes	Yes
d. Bill showing water usage in comparison to previous year's usage	Yes	Yes	Yes	Yes	Yes
e. Demonstration Gardens	Yes	Yes	Yes	Yes	Yes
f. Special events, media events	No	If needed	If needed	If needed	If needed
g. Speaker's Bureau	Yes	Yes	Yes	Yes	Yes
h. Program to coordinate with other government agencies, industry, media	Yes	Yes	Yes	Yes	Yes

### **DMM 8: School education programs**

The District does not have a formal school education program in place at this time. In early 2005, the General Manager participated in a water forum at Hemet High School, speaking to the student body about water conservation. The District's Customer Service Officer will implement a school education program in 2022 by developing presentation materials targeted for all grade levels. Each year, presentations will be made to assembled students at all elementary, middle and high schools in the District's service area. The estimated cost in the first year (2022) is \$5,000. Future costs will increase due to construction of new schools within District boundaries.

The effectiveness of the program as far as water conservation is concerned will be difficult to measure. However, the effort will undoubtedly add to the conservation message emanating from other sources and will help drive home the point that water is a valuable resource and cannot be wasted. This is important because of the expected population growth in the District's service area, and the goal of reducing consumption.

### **DMM 9: Conservation programs for commercial, industrial, and institutional accounts**

The District currently has only one industrial accounts. In the past, as many as three industrial accounts have been active with a combined water use of one acre-foot annually (afa). No significant savings from conservation can be expected here.

The District has 395 commercial accounts that use 302 afa combined in 2020. These accounts consist of supermarkets, car washes, banks, retail stores, and other commercial establishments. Total water use is 3.96 percent of the District's total potable demand and the average water use per account is about 1.38 afa. The District's auditing of water use through billing, as described in DMM1, is used to detect excess consumption and triggers a survey of the customer's premises. Due to the low percentage of water use in this sector, the prospect for water savings in the future is not expected to be significant.

The institutional sector is comprised of schools, churches, special districts, and other government institutions. The 73 accounts in this sector used 482 af in 2020 and has a much higher average use per account than any other sector, except agriculture, at 4.9 afa. In 2015, this sector used 436 afa. Most of the water use is for the irrigation of turf and landscaping. Significant water savings can be realized by increasing the number of audits at these sites. A 30 percent reduction per account was achieved from the 12 months ending in May 2016 compared to 2013.

The District supports the MWD Be Water Wise program for commercial, institutional, and industrial water users. Qualified projects can receive up to a \$25,000 rebate per



## CHAPTER 9 – Demand Management Measures

program year. More information is available at: <http://socalwatersmart.com/#>. The Save Our Water program through DWR provides up to \$2 per square foot for lawn replacement and \$100 for toilet replacements.

### DMM 10: Conservation pricing

As described in DMM 4, the District recently changed its rate structure to a fixed monthly service charge with a tiered inclining block rate quantity charge for its domestic customers. Each rate structure has a base (lifeline) rate. The customer is billed for each unit of water used, providing incentive to conserve. Areas in higher pressure zones where additional pumping is needed pay a lift charge.

Table R- DMM 10: Conservation pricing			
	Meter Size	Monthly Service Charge (\$)	Commodity rate Tier 1 (\$ per ccf)
<b>Residential</b>			
Water rate structure	5/8"-3/4"	31.43	2.18
Water rate structure	1"	36.19	2.18
Water rate structure	1 1/2"	47.98	2.18
Year rate effective	2021		
<b>Commercial &amp; Industrial</b>			
Water rate structure	2"-4"	62.19-173.48	2.18
Year rate effective	2021		
<b>Institutional/Government</b>			
Water rate structure	Same as Commercial & Industrial		
Year rate effective	2021		
<b>Agricultural</b>			
Water rate structure	All	Same as Potable	\$931 – \$1077/AF
Year rate effective	2021		

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Sewer rates are charged in all sectors except agriculture, however, the only sector that is charged on volume of water used is commercial. Depending on the improvement district, the charge to commercial customers is \$2.77/ccf - \$3.32/ccf.

### **DMM 11: Water conservation coordinator**

The District does not have a water conservation coordinator position, however, several positions provide water conservation services as part of their descriptions. The primary position responsible is the Customer Service Officer. This person is supported by billing and meter reading personnel. As discussed in DMM1, field personnel respond to work orders from the billing department to investigate incidents of unusual water consumption.

The Customer Service Officer is also responsible for the public and school information programs. Distribution system water operators are involved in conservation through contacts with customers while investigating water quality and supply complaints. In total, the District has ten staff members addressing water conservation issues as a significant part of their jobs.

### **DMM 12: Water Waste Prohibition**

The District has several specific water waste restrictions included in its Drought Management Plan, which will be imposed by the District during a drought or other water supply shortage emergency. These restrictions include, but are not limited to, the following:

- Restricting the use of water to hose down driveways and other hard surfaces;
- Restricting over-watering and runoff;
- Requiring the use of a bucket and a hose with a shut valve while washing vehicles; and
- Requiring that identified leaks be repaired as soon as possible.

The Drought Management Plan also provides for penalties and fines for non-compliance with the imposed restrictions. Water use restrictions are imposed upon implementation of the District's Drought Management Plan during a drought or other water shortage emergency. The effectiveness of the restrictions in the Drought Management Plan will be assessed based on actual reductions in District demand. Water savings as a result of the restrictions in the Drought Management Plan will range from 10 percent at Stage I to 50 percent at Stage IV.

### **DMM 13: Residential ultra-low-flush toilet replacement programs**

This program was first implemented in 2004 when the District entered into a “Residential Water Conservation Item Funding Agreement” with EMWD. This agreement is for the District’s high-efficiency washing machine and ultra-low flush toilet rebate programs. The rebate offered to customers was \$60 per toilet with a limit of three per household. EMWD reimbursed the District for the cost of the rebate.

### **9.2 Implementation over the Past Five Years**

All of the above listed DMM have been implemented in some form over the last five years. As a result, LHMWD’s potable water demands have continued to decrease. In addition, LHMWD per capita water usage for 2020 was 137 gpcd, less than the 2020 Target of 142 gpcd.

### **9.3 Planned Implementation to Achieve Water Use Targets**

LHMWD will implement its UWMP by continually referencing its objectives and conservation methods outlined in the plan. In addition to mandated timelines, target per capita water usage will be preliminarily gauged annually and compared to a prorated schedule. Conservation methods and DMMs can be adjusted or accelerated if the pace of reduction is not on track. Other measures such as Water Supply Assessments, development of a basin Water Master, supply monitoring, project development, pipeline replacement, and metering upgrades provide milestone checkpoints to continuously implement the UWMP.

## **CHAPTER 10**

# **PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION**

## CHAPTER 10 – Plan Adoption, Submittal, and Implementation

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### 10.1 Inclusion of All 2020 Data

Water use and planning data from entire 2020 calendar year was used in the preparation of the LHMWD 2020 UWMP.

### 10.2 Notice of Public Hearing

#### 10.2.1 Notice to Cities and County

*CWC 10621*

*(b) Every urban water supplier required to prepare a plan shall... at least 60 days prior to the public hearing on the plan ... notify any city or county within which the supplier provides waters supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.*

*CWC 10642*

*...The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area...*

Notices were sent and dated August 12, 2021, to the City of Hemet, City of San Jacinto, and the County of Riverside, prior to 60 days of the public hearing when the UWMP was reviewed by the LHMWD Board of Directors. Copies of the notices are in Appendix D.

#### 10.2.2 Notice to the Public

*CWC 10642*

*...Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection...Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code...*

*Government Code 6066*

*Publication of notice pursuant to this section shall be once a week for two successive weeks. Two publications in a newspaper published once a week or oftener, with at least five days intervening between the respective publication dates not counting such publication dates, are sufficient. The period of notice commences upon the first day of publication and terminates at the end of the fourteenth day, including therein the first day.*

The public hearing is scheduled for 3:00 pm on December 16, 2021 at LHMWD offices at 26385 Fairview Avenue, Hemet, Ca. The UWMP will be available for public review. Two notices will be publicized in the Press Enterprise on or near October 13, 2021 and October 20, 2021 which are separated by at least 5 intervening days, not including the publication dates, and at least 14 days before the public hearing. A copy of the legal ad is in Appendix F.

### 10.3 Public Hearing and Adoption

*CWC 10642*

*...Prior to adopting a plan, the urban water supplier shall hold a public hearing thereon.*

*CWC 10608.26*

*(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:*

*(1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.*

*(2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.*

*(3) Adopt a method, pursuant to subdivision (b) of Section 10608.20 for determining its urban water use target.*

#### 10.3.1 Adoption

*CWC 10642*

*...After the hearing, the plan shall be adopted as prepared or as modified after the hearing.*

The hearing is public noticed and agendized for 3:00 pm, December 16, 2021. The 2020 UWMP is also agendized for adoption at the same time and place. The adoption will be considered after the public hearing is held. A copy of the resolution in Appendix G was considered for approval by the LHMWD Board of Directors.

*The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan (10635(b)).*

LHMWD will provide a copy of its UWMP to the City of Hemet, City of San Jacinto, and the County of Riverside within 30 days after submitting its approved UWMP to the State DWR as required by California Water Code Section 10644.a. A preliminary copy of the transmittal letter is included in Appendix E.

### 10.4 Plan Submittal

*CWC 10621 (d) An urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.*

## CHAPTER 10 – Plan Adoption, Submittal, and Implementation

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### *CWC 10644*

*(a)(1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption.*

### *CWC 10635*

*(b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.*

Within 30 days of adoption, LHMWD will submit copies of the UWMP to DWR, the California State Library, the City of Hemet, City of San Jacinto, and the County of Riverside. A preliminary version of the transmittal letters are attached in Appendix E. A similar 60-day requirement is described in California Water Code Section 10635.b. Compliance with the 30-day requirement will satisfy both sections.

The 2020 UWMP will be submitted to DWR electronically via the WUE data online submittal tool.

### **10.5 Public Availability**

### *CWC 10645*

*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.*

A copy of the approved UWMP will be made available for review within 30 days of submitting it to DWR. A copy of the adopted UWMP will also be available for public review during normal business hours and posted on the LHMWD website to replace the 2015 UWMP Update already posted at <https://www.lhmwd.org/files/UWMP.pdf>.

### **10.6 Amending an Adopted UWMP**

### *CWC 10621*

*(c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).*

### *CWC 10644*

*(a)(1) Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.*

Any changes to the UWMP or WSCP after the plan was adopted the LHMWD Board of Directors, require another public hearing and be reconsidered and reapproved by the LHMWD.

**APPENDIX A**

**STANDARDIZED TABLES**



**Submittal Table 2-1 Retail Only: Public Water Systems**

Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
<i>Add additional rows as needed</i>			
CA3310022	Lake Hemet MWD	14,265	13,260
<b>TOTAL</b>		<b>14,265</b>	<b>13,260</b>

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

NOTES:

**Submittal Table 2-2: Plan Identification**

<b>Select Only One</b>	<b>Type of Plan</b>		<b>Name of RUWMP or Regional Alliance</b> <i>if applicable</i> (select from drop down list)
<input checked="" type="checkbox"/>	<b>Individual UWMP</b>		
	<input type="checkbox"/>	Water Supplier is also a member of a RUWMP	
	<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance	
<input type="checkbox"/>	<b>Regional Urban Water Management Plan (RUWMP)</b>		

NOTES:

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
<input type="checkbox"/>	Supplier is a wholesaler
<input checked="" type="checkbox"/>	Supplier is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables are in calendar years
<input type="checkbox"/>	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP * (select from drop down)	
Unit	AF
* <b>Units of measure (AF, CCF, MG)</b> must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES:	

**Submittal Table 2-4 Retail: Water Supplier Information Exchange**

The retail Supplier has informed the following wholesale supplier(s) of projected water use in accordance with Water Code Section 10631.

Wholesale Water Supplier Name

*Add additional rows as needed*

Eastern Municipal Water District

NOTES:

**Submittal Table 3-1 Retail: Population - Current and Projected**

Population Served	2020	2025	2030	2035	2040	2045(opt)
	54,320	61,754	65,017	68,452	71,772	

Population estimate for 2020 is from the DWR Population Tool and based on 2000 and 2010 census data as well as the increase in service connections between 2010 and 2020. Beyond 2020, population increase estimates are the same as in the 2015 UWMP.

**Submittal Table 4-1 Retail: Demands for Potable and Non-Potable<sup>1</sup> Water - Actual**

Use Type	2020 Actual		
<p><b>Drop down list</b>                      May select each use multiple times                      These are the only Use Types that will be recognized by the WUEdata online submittal tool</p>	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume <sup>2</sup>
Add additional rows as needed			
Single Family			5,699
Multi-Family			652
Commercial			302
Industrial			1
Institutional/Governmental			482
Agricultural irrigation			6,124
<b>TOTAL</b>			13,260

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

NOTES:

**Submittal Table 4-2 Retail: Use for Potable and Non-Potable<sup>1</sup> Water - Projected**

Use Type	Additional Description (as needed)	Projected Water Use <sup>2</sup> <i>Report To the Extent that Records are Available</i>				
		2025	2030	2035	2040	2045 (opt)
<b><u>Drop down list</u></b> 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						
Single Family		7,650	8,054	8,480	8,930	
Multi-Family		783	824	868	916	
Commercial		430	452	477	507	
Industrial		1	1	1	1	
Institutional/Governmental		688	724	763	804	
Landscape		272	286	301	313	
Agricultural irrigation		5,424	5,424	5,424	5,424	
Losses		921	921	921	921	
<b>TOTAL</b>		16,169	16,686	17,235	17,816	0
<sup>1</sup> Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4. <span style="float: right;"><sup>2</sup> Units of</span> measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES:						

**Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)**

	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable <i>From Tables 4-1R and 4-2 R</i>	13,260	16,169	16,686	17,235	17,816	0
Recycled Water Demand <sup>1</sup> <i>From Table 6-4</i>	0	800	800	800	800	0
Optional Deduction of Recycled Water Put Into Long-Term Storage <sup>2</sup>						
<b>TOTAL WATER USE</b>	13,260	16,969	17,486	18,035	18,616	0

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

NOTES:



**Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting**

Reporting Period Start Date (mm/yyyy)	Volume of Water Loss <sup>1,2</sup>
01/2015	921
07/2016	495
07/2017	809
07/2018	797
01/2019	834

<sup>1</sup> Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet. <sup>2</sup>

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

NOTES:

**Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections**

<b>Are Future Water Savings Included in Projections?</b> (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.	
<b>Are Lower Income Residential Demands Included In Projections?</b> <i>Drop down list (y/n)</i>	Yes

NOTES:

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

Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	2001	2010	168	142
5 Year	2006	2010	168	

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

NOTES:

**Submittal Table 5-2: 2020 Compliance** **From**  
**SB X7-7 2020 Compliance Form**  
*Retail Supplier or Regional Alliance Only*

2020 GPCD			2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* <i>(Adjusted if applicable)</i>		
137	0	137	142	YES

*\*All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:

**Submittal Table 6-1 Retail: Groundwater Volume Pumped**

Supplier does not pump groundwater.  
The supplier will not complete the table below.

All or part of the groundwater described below is desalinated.

Groundwater Type <b>Drop Down List</b> <i>May use each category multiple times</i>	Location or Basin Name	2016*	2017*	2018*	2019*	2020*
------------------------------------------------------------------------------------------	------------------------	-------	-------	-------	-------	-------

*Add additional rows as needed*

Alluvial Basin	San Jacinto	7736	7424	8049	7401	8309
<b>TOTAL</b>		7,736	7,424	8,049	7,401	8,309

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

NOTES:

**Submittal Table 6-2 Retail: Wastewater Collected Within Service Area in 2020**

There is no wastewater collection system. The supplier will not complete the table below.

Percentage of 2020 service area covered by wastewater collection system *(optional)*

Percentage of 2020 service area population covered by wastewater collection system *(optional)*

Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	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? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i> <i>Drop Down List</i>
Lake Hemet Municipal Water District	Estimated	2,420	EMWD	San Jacinto Valley RWRf	No	No
Eastern Municipal Water District	Estimated	250	EMWD	Perris Valley RWRf	No	No
City of Hemet	Estimated	250	EMWD	San Jacinto Valley	No	No
City of San Jacinto	Estimated	250	EMWD	Perris Valley RWRf	No	No
<b>Total Wastewater Collected from Service Area in 2020:</b>		3,170				

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

NOTES:

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



No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.

Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional) <sup>2</sup>	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area? <i>Drop down list</i>	Treatment Level <i>Drop down list</i>	2020 volumes <sup>1</sup>				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
<b>Total</b>							0	0	0	0	0

<sup>1</sup> Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.  
<sup>2</sup> If the **Wastewater Discharge ID Number** is not available to the UWMP preparer, access the SWRCB CIWQS regulated facility website at <https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility>

NOTES:

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

Recycled water is not used and is not planned for use within the service area of the supplier.  
The supplier will not complete the table below.

Name of Supplier Producing (Treating) the Recycled Water: Eastern Municipal Water District

Name of Supplier Operating the Recycled Water Distribution System: Eastern Municipal Water District

Supplemental Water Added in 2020 (volume) *Include units*

Source of 2020 Supplemental Water

Beneficial Use Type <i>additional rows if needed.</i>	<i>Insert</i> Potential Beneficial Uses of Recycled Water (Describe)	Amount of Potential Uses of Recycled Water (Quantity) <i>Include volume units<sup>1</sup></i>	General Description of 2020 Uses	Level of Treatment <i>Drop down list</i>	2020 <sup>1</sup>	2025 <sup>1</sup>	2030 <sup>1</sup>	2035 <sup>1</sup>	2040 <sup>1</sup>	2045 <sup>1</sup> (opt)
Agricultural irrigation				Tertiary	0	800	800	800	800	
Landscape irrigation (exc golf courses)										
Golf course irrigation										
Commercial use										
Industrial use										
Geothermal and other energy production										
Seawater intrusion barrier										
Recreational impoundment										
Wetlands or wildlife habitat										
Groundwater recharge (IPR)										
Reservoir water augmentation (IPR)										
Direct potable reuse										
Other (Description Required)										
<b>Total:</b>					0	800	800	800	800	0

**2020 Internal Reuse**

<sup>1</sup> Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES:



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

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

Beneficial Use Type	2015 Projection for 2020 <sup>1</sup>	2020 Actual Use <sup>1</sup>
<i>Insert additional rows as needed.</i>		
Agricultural irrigation	800	0
Landscape irrigation (exc golf courses)		
Golf course irrigation		
Commercial use		
Industrial use		
Geothermal and other energy production		
Seawater intrusion barrier		
Recreational impoundment		
Wetlands or wildlife habitat		
Groundwater recharge (IPR)		
Reservoir water augmentation (IPR)		
Direct potable reuse		
Other (Description Required)		
<b>Total</b>	800	0

<sup>1</sup> Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

Recycled water facilities have not been extended.

**Submittal Table 6-6 Retail: Methods to Expand Future Recycled Water Use**

<input checked="" type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.
-------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------

Pg 40	Provide page location of narrative in UWMP
-------	--------------------------------------------

Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use *
----------------	-------------	-----------------------------	-------------------------------------------

*Add additional rows as needed*


<b>Total</b>			0
--------------	--	--	---

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

NOTES:

**Submittal Table 6-7 Retail: Expected Future Water Supply Projects or Programs**

No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.

Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.

Section 6.5 Provide page location of narrative in the UWMP

Name of Future Projects or Programs	Joint Project with other suppliers?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Supplier* <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Supplier Name</i>				

*Add additional rows as needed*

Well No. 8	No		Redrill	2022	All Year Types	150
Mountain Well	No			2022	All Year Types	600
Olive Well	No		Proposed	2023	All Year Types	400
Additional Potable EMWD Connection	Yes	EMWD		2023	Multi-Dry Year	1,500
Treatment Plant	No			2035	All Year Types	1,500

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

NOTES:

**Submittal Table 6-8 Retail: Water Supplies — Actual**

Water Supply	Additional Detail on Water Supply	2020		
<b>Drop down list</b> May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Groundwater (not desalinated)		8,309	Drinking Water	
Other		1,469	Other Non-Potable Water	
Purchased or Imported Water		32	Drinking Water	
Purchased or Imported Water		4,920	Other Non-Potable Water	
Surface water (not desalinated)		290	Other Non-Potable Water	
<b>Total</b>		15,020		0

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

NOTES:

**Submittal Table 6-9 Retail: Water Supplies — Projected**

Water Supply		Projected Water Supply * Report To the Extent Practicable									
		2025		2030		2035		2040		2045 (opt)	
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		Additional Detail on Water Supply		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
Add additional rows as needed											
Groundwater (not desalinated)	Potable	9,970		10,530		11,060		11,560			
Groundwater (not desalinated)	Ag Irrigation	750		750		750		750			
Surface water (not desalinated)	Lake/Stream Diversion	4,500		4,500		4,500		4,500			
Supply from Storage	Water Master	1,000		1,000		1,000		1,000			
Purchased or Imported Water	Raw - Ag Irrigation	1,000		1,000		1,000		1,000			
Purchased or Imported Water	Potable	300		300		300		300			
Recycled Water	Irrigation	800		800		800		800			
<b>Total</b>		<b>18,320</b>	<b>0</b>	<b>18,880</b>	<b>0</b>	<b>19,410</b>	<b>0</b>	<b>19,910</b>	<b>0</b>	<b>0</b>	<b>0</b>
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.											
NOTES											

**Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)**

Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. <span style="float: right;">Location _____</span>
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available *	% of Average Supply
Average Year	2003	18320	100%
Single-Dry Year	2002	18320	100%
Consecutive Dry Years 1st Year	2011	18320	100%
Consecutive Dry Years 2nd Year	2012	17404	95%
Consecutive Dry Years 3rd Year	2013	16488	90%
Consecutive Dry Years 4th Year	2014	15572	85%
Consecutive Dry Years 5th Year	2015	14656	80%

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

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

Supplies based on 2025 projections.

**Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison**

	2025	2030	2035	2040	2045 (Opt)
Supply totals (autofill from Table 6-9)	18,320	18,880	19,410	19,910	0
Demand totals (autofill from Table 4-3)	16,969	17,486	18,035	18,616	0
Difference	1,351	1,394	1,375	1,294	0

NOTES:

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	18,320	18,880	19,410	19,910	
Demand totals*	16,969	17,486	18,035	18,616	
Difference	1,351	1,394	1,375	1,294	0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>					
NOTES:					



**Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison**

		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	18,320	18,880	19,410	19,910	
	Demand totals	16,969	17,486	18,035	18,616	
	Difference	1,351	1,394	1,375	1,294	0
Second year	Supply totals	17,770	18,314	18,828	19,313	
	Demand totals	16,630	17,136	17,674	18,244	
	Difference	1,141	1,177	1,153	1,069	0
Third year	Supply totals	17,237	17,764	18,263	18,733	
	Demand totals	16,297	16,794	17,321	17,879	
	Difference	940	971	942	855	0
Fourth year	Supply totals	16,720	17,231	17,715	18,171	
	Demand totals	15,482	15,954	16,455	16,985	
	Difference	1,238	1,277	1,260	1,186	0
Fifth year	Supply totals	16,219	16,714	17,184	17,626	
	Demand totals	15,482	15,954	16,455	16,985	
	Difference	736	760	729	641	0
Sixth year (optional)	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0

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

NOTES:

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

<b>2021</b>	<b>Total</b>
Total Water Use	13,842
Total Supplies	13,842
Surplus/Shortfall w/o WSCP Action	0
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	0
WSCP - use reduction savings benefit	692
Revised Surplus/(shortfall)	692
Resulting % Use Reduction from WSCP action	5%

<b>2022</b>	<b>Total</b>
Total Water Use	14,424
Total Supplies	14,424
Surplus/Shortfall w/o WSCP Action	0
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	721
Revised Surplus/(shortfall)	721
Resulting % Use Reduction from WSCP action	5%

<b>2023</b>	<b>Total</b>
Total Water Use	15,005
Total Supplies	15,005
Surplus/Shortfall w/o WSCP Action	0
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	750
Revised Surplus/(shortfall)	750
Resulting % Use Reduction from WSCP action	5%

<b>2024</b>	<b>Total</b>
Total Water Use	15,587
Total Supplies	15,587
Surplus/Shortfall w/o WSCP Action	0
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	779
Revised Surplus/(shortfall)	779
Resulting % Use Reduction from WSCP action	5%

<b>2025</b>	<b>Total</b>
Total Water Use	16,169
Total Supplies	16,169
Surplus/Shortfall w/o WSCP Action	0
<b>Planned WSCP Actions</b> (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	808
Revised Surplus/(shortfall)	808
Resulting % Use Reduction from WSCP action	5%

**Submittal Table 8-1  
Water Shortage Contingency Plan Levels**

Shortage Level	Percent Shortage Range	Shortage Response Actions <i>(Narrative description)</i>
1	Up to 10%	Stage 1 - Voluntary ten percent reduction in water consumption
2	Up to 20%	Stage 2 - Emergency conservation rate structure implementation
3	Up to 30%	Stage 3 - Water waste ban, water use restrictions, enforcement penalties and fines
4	Up to 40%	Stage 4 - Increased water use restrictions, increased conservation rates, increased penalties and fines
5	Up to 50%	Stage 5 - Further Increased water use restrictions, increased conservation rates, increased penalties and fines
6	>50%	Stage 6 - Further Increased water use restrictions, increased conservation rates, increased penalties and fines

NOTES: Specific response actions listed in Table 8-2

**Submittal Table 8-2: Demand Reduction Actions**

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only Drop Down List</i>
<i>Add additional rows as needed</i>				
All	Expand Public Information Campaign	1%		No
All	Offer Water Use Surveys	1%		No
All	Decrease Line Flushing	3%		No
2	Improve Customer Billing	1%		No
3	Landscape - Restrict or prohibit runoff from landscape irrigation	2-5%		Yes
3	Landscape - Limit landscape irrigation to specific days	5-7%		Yes
3	CII - Lodging establishment must offer opt out of linen service	2-5%		Yes
3	CII - Restaurants may only serve water upon request	1%		Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	3%		Yes
3	Other - Require automatic shut of hoses	2%		Yes
3	Other - Prohibit use of potable water for washing hard surfaces	2-5%		Yes
3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	2%		Yes
4	Increase Water Waste Patrols	2%		No
4	Increase Frequency of Meter Reading	1%		No
4	Moratorium or Net Zero Demand Increase on New Connections	5-10%		No
4	Landscape - Prohibit certain types of landscape irrigation	2-5%		Yes
5	Other - Prohibit use of potable water for construction and dust control	5%		Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	5%		Yes
5	Pools - Allow filling of swimming pools only when an appropriate cover is in place.	2-5%		Yes
5	Pools and Spas - Require covers for pools and spas	2-5%		Yes
6	Landscape - Prohibit all landscape irrigation	20%		Yes
NOTES:				

**Submittal Table 8-3: Supply Augmentation and Other Actions**

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
All	Expand Public Information Campaign	1%	
All	Improve Customer Billing	1%	
All	Other Purchases	Varies	LHMWD has the ability to purchase additional imported water
NOTES:			

**Submittal Table 10-1 Retail: Notification to Cities and Counties**

City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Hemet	Yes	Yes
San Jacinto	Yes	Yes
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Riverside County	Yes	Yes
NOTES:		

**APPENDIX B**

**SB X7-7**

**COMPLIANCE FORM**

**SB X7-7 Table 0: Units of Measure Used in 2020 UWMP\***

*(select one from the drop down list)*

Acre Feet

*\*The unit of measure must be consistent throughout the UWMP, as reported in Submittal Table 2-3.*

NOTES:



**SB X7-7 Table 2: Method for 2020 Population Estimate**

**Method Used to Determine 2020 Population**  
(may check more than one)

<input type="checkbox"/>	<b>1. Department of Finance (DOF) or American Community Survey (ACS)</b>
<input type="checkbox"/>	<b>2. Persons-per-Connection Method</b>
<input checked="" type="checkbox"/>	<b>3. DWR Population Tool</b>
<input type="checkbox"/>	<b>4. Other</b> DWR recommends pre-review

NOTES:

**SB X7-7 Table 3: 2020 Service Area Population**

**2020 Compliance Year Population**

<b>2020</b>	54,320
-------------	--------

NOTES:

SB X7-7 Table 4: 2020 Gross Water Use							
Compliance Year 2020	2020 Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	2020 Deductions					2020 Gross Water Use
		Exported Water *	Change in Dist. System Storage* (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use*	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	
	8,341	-	-	-	-	-	8,341
<p>* Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.</p> <p>NOTES:</p>							

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

Complete one table for each source.

<b>Name of Source</b>		Groundwater Wells	
<b>This water source is (check one) :</b>			
<input type="checkbox"/>		The supplier's own water source	
<input type="checkbox"/>		A purchased or imported source	
Compliance Year 2020	Volume Entering Distribution System <sup>1</sup>	Meter Error Adjustment <sup>2</sup> <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System
	8,309	-	8,309
<sup>1</sup> <b>Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.</b> <span style="float: right;"><sup>2</sup> <b>Meter</b></span> <b>Error Adjustment</b> - See guidance in Methodology 1, Step 3 of Methodologies Document			
NOTES			

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

Complete one table for each source.

<b>Name of Source</b>		Eastern Municipal Water District	
<b>This water source is (check one) :</b>			
<input type="checkbox"/>		The supplier's own water source	
<input checked="" type="checkbox"/>		A purchased or imported source	
Compliance Year 2020	Volume Entering Distribution System <sup>1</sup>	Meter Error Adjustment <sup>2</sup> <i>Optional</i> (+/-)	Corrected Volume Entering Distribution System
	32		32
<sup>1</sup> <b>Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.</b> <span style="float: right;"><sup>2</sup> <b>Meter Error</b></span> <b>Adjustment</b> - See guidance in Methodology 1, Step 3 of Methodologies Document			
NOTES:			

**SB X7-7 Table 5: 2020 Gallons Per Capita Per Day (GPCD)**

2020 Gross Water <i>Fm SB X7-7 Table 4</i>	2020 Population <i>Fm</i> <i>SB X7-7 Table 3</i>	2020 GPCD
8,341	54,320	<b>137</b>

NOTES:

**SB X7-7 Table 9: 2020 Compliance**

Actual 2020 GPCD <sup>1</sup>	Optional Adjustments to 2020 GPCD					2020 Confirmed Target GPCD <sup>1, 2</sup>	Did Supplier Achieve Targeted Reduction for 2020?
	Enter "0" if Adjustment Not Used			TOTAL Adjustments <sup>1</sup>	Adjusted 2020 GPCD <sup>1</sup> <i>(Adjusted if applicable)</i>		
	Extraordinary Events <sup>1</sup>	Weather Normalization <sup>1</sup>	Economic Adjustment <sup>1</sup>				
137	-	-	-	-	137	142	YES

<sup>1</sup> All values are reported in GPCD

<sup>2</sup> **2020 Confirmed Target GPCD** is taken from the Supplier's SB X7-7 Verification Form Table SB X7-7, 7-F.

NOTES:

# **APPENDIX C**

# **WATER AUDIT WORKSHEETS**

**AWWA Free Water Audit Software:  
Reporting Worksheet**

WAS v5.0  
American Water Works Association  
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**Water Audit Report for:** Lake Hemet Municipal Water District (CA3310022)  
**Reporting Year:** 2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

**All volumes to be entered as: ACRE-FEET PER YEAR**

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

**WATER SUPPLIED**

Volume from own sources:             acre-ft/yr  
 Water imported:             acre-ft/yr  
 Water exported:             acre-ft/yr

**Master Meter and Supply Error Adjustments**

		Pcnt:	Value:	
<input type="button" value="1"/> <input type="button" value="2"/> <input type="button" value="3"/> <input type="button" value="4"/> <input type="button" value="5"/> <input type="button" value="6"/> <input type="button" value="7"/> <input type="button" value="8"/> <input type="button" value="9"/> <input type="button" value="10"/> <input type="button" value="n/a"/>	<input type="text" value="-2.00%"/>	<input type="radio"/>	<input type="radio"/>	acre-ft/yr
<input type="button" value="1"/> <input type="button" value="2"/> <input type="button" value="3"/> <input type="button" value="4"/> <input type="button" value="5"/> <input type="button" value="6"/> <input type="button" value="7"/> <input type="button" value="8"/> <input type="button" value="9"/> <input type="button" value="10"/> <input type="button" value="n/a"/>	<input type="text" value="-2.00%"/>	<input type="radio"/>	<input type="radio"/>	acre-ft/yr
<input type="button" value="1"/> <input type="button" value="2"/> <input type="button" value="3"/> <input type="button" value="4"/> <input type="button" value="5"/> <input type="button" value="6"/> <input type="button" value="7"/> <input type="button" value="8"/> <input type="button" value="9"/> <input type="button" value="10"/> <input type="button" value="n/a"/>	<input type="text" value=""/>	<input type="radio"/>	<input type="radio"/>	acre-ft/yr

Enter negative % or value for under-registration  
Enter positive % or value for over-registration

**WATER SUPPLIED:**  acre-ft/yr

**AUTHORIZED CONSUMPTION**

Billed metered:             acre-ft/yr  
 Billed unmetered:             acre-ft/yr  
 Unbilled metered:             acre-ft/yr  
 Unbilled unmetered:             acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

**AUTHORIZED CONSUMPTION:**  acre-ft/yr

Click here:  for help using option buttons below

Pcnt:    Value:  acre-ft/yr

Use buttons to select percentage of water supplied OR value

**WATER LOSSES (Water Supplied - Authorized Consumption)**

acre-ft/yr

**Apparent Losses**

Unauthorized consumption:             acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:             acre-ft/yr  
 Systematic data handling errors:             acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

**Apparent Losses:**  acre-ft/yr

Pcnt:    Value:  acre-ft/yr

acre-ft/yr

**Real Losses (Current Annual Real Losses or CARL)**

Real Losses = Water Losses - Apparent Losses:  acre-ft/yr

**WATER LOSSES:**  acre-ft/yr

**NON-REVENUE WATER**

**NON-REVENUE WATER:**  acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

**SYSTEM DATA**

Length of mains:             miles  
 Number of active AND inactive service connections:             conn./mile main  
 Service connection density:             conn./mile main

Are customer meters typically located at the curbside or property line?  (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line:             ft  
**Average length of customer service line has been set to zero and a data grading score of 10 has been applied**

Average operating pressure:             psi

**COST DATA**

Total annual cost of operating water system:             \$/Year  
 Customer retail unit cost (applied to Apparent Losses):             \$/100 cubic feet (ccf)  
 Variable production cost (applied to Real Losses):             \$/acre-ft  Use Customer Retail Unit Cost to value real losses

**WATER AUDIT DATA VALIDITY SCORE:**

**\*\*\* YOUR SCORE IS: 82 out of 100 \*\*\***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

**PRIORITY AREAS FOR ATTENTION:**

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Unauthorized consumption
- 3: Systematic data handling errors





# AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0  
American Water Works Association.  
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? Click to access definition  
+ Click to add a comment

Water Audit Report for: **Lake Hemet Municipal Water District (CA3310022)**  
Reporting Year: **2016/17** **7/2016 - 6/2017**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

### WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+	?	5	6,971.193	acre-ft/yr
Water imported:	+	?	3	626.757	acre-ft/yr
Water exported:	+	?	n/a	0.000	acre-ft/yr

### Master Meter and Supply Error Adjustments

Pcnt:	Value:	
+	?	3 0.00%
+	?	3 0.00%
+	?	

**WATER SUPPLIED:** **7,597.950** acre-ft/yr

Enter negative % or value for under-registration  
Enter positive % or value for over-registration

### AUTHORIZED CONSUMPTION

Billed metered:	+	?	5	7,150.300	acre-ft/yr
Billed unmetered:	+	?	n/a	0.000	acre-ft/yr
Unbilled metered:	+	?	10	10.397	acre-ft/yr
Unbilled unmetered:	+	?	8	0.155	acre-ft/yr

**AUTHORIZED CONSUMPTION:** **7,160.852** acre-ft/yr

Click here: ?  
for help using option buttons below

Pcnt: Value: 0.155 acre-ft/yr

Use buttons to select percentage of water supplied OR value

Pcnt: Value: 0.25% acre-ft/yr

1.00% 0.25% acre-ft/yr

### WATER LOSSES (Water Supplied - Authorized Consumption)

**437.098** acre-ft/yr

#### Apparent Losses

Unauthorized consumption: + ? 18.995 acre-ft/yr  
Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	?	3	72.330	acre-ft/yr
Systematic data handling errors:	+	?		17.876	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

**Apparent Losses:** **109.201** acre-ft/yr

#### Real Losses (Current Annual Real Losses or CARL)

**Real Losses = Water Losses - Apparent Losses:** **327.897** acre-ft/yr

**WATER LOSSES:** **437.098** acre-ft/yr

### NON-REVENUE WATER

**NON-REVENUE WATER:** **447.650** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

### SYSTEM DATA

Length of mains:	+	?	5	250.0	miles
Number of active AND inactive service connections:	+	?	9	14,414	
Service connection density:	?			58	conn./mile main

Are customer meters typically located at the curbside or property line? **Yes**

Average length of customer service line: + ? (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + ? 5 75.0 psi

### COST DATA

Total annual cost of operating water system:	+	?	10	\$12,360,203	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+	?	5	\$2.64	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+	?	5	\$1,015.12	\$/acre-ft

Use Customer Retail Unit Cost to value real losses

### WATER AUDIT DATA VALIDITY SCORE:

\*\*\* YOUR SCORE IS: 57 out of 100 \*\*\*

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

### PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Customer metering inaccuracies
- 3: Billed metered

# AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0  
American Water Works Association.  
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? Click to access definition  
+ Click to add a comment

Water Audit Report for: **Lake Hemet Municipal Water District (CA3310022)**  
Reporting Year: **2017-2018** / 7/2017 - 6/2018

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

### WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+ ?	7	7,896.277	acre-ft/yr
Water imported:	+ ?	8	215.046	acre-ft/yr
Water exported:	+ ?	n/a	0.000	acre-ft/yr

### Master Meter and Supply Error Adjustments

Pcnt:	Value:	acre-ft/yr
+ ? 9	-1.00%	<input type="radio"/> <input type="radio"/>
+ ? 8	-2.00%	<input checked="" type="radio"/> <input type="radio"/>
+ ?		<input type="radio"/> <input type="radio"/>

Enter negative % or value for under-registration  
Enter positive % or value for over-registration

**WATER SUPPLIED:** **8,195.472** acre-ft/yr

### AUTHORIZED CONSUMPTION

Billed metered:	+ ?	9	7,275.210	acre-ft/yr
Billed unmetered:	+ ?	n/a	0.000	acre-ft/yr
Unbilled metered:	+ ?	9	8.360	acre-ft/yr
Unbilled unmetered:	+ ?		102.443	acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

**AUTHORIZED CONSUMPTION:** **7,386.013** acre-ft/yr

Click here: ?  
for help using option buttons below

Pcnt:	Value:	acre-ft/yr
1.25%	<input checked="" type="radio"/> <input type="radio"/>	<input type="text"/>

Use buttons to select percentage of water supplied  
OR  
value

Pcnt:	Value:	acre-ft/yr
<input type="radio"/> <input checked="" type="radio"/>	47.530	<input type="text"/>

2.00%	<input checked="" type="radio"/> <input type="radio"/>	acre-ft/yr
0.25%	<input checked="" type="radio"/> <input type="radio"/>	acre-ft/yr

### WATER LOSSES (Water Supplied - Authorized Consumption)

**809.458** acre-ft/yr

#### Apparent Losses

Unauthorized consumption: + ? 9 47.530 acre-ft/yr

Unauthorized consumption volume entered is greater than the recommended default value

Customer metering inaccuracies:	+ ?	8	148.644	acre-ft/yr
Systematic data handling errors:	+ ?		18.188	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

**Apparent Losses:** **214.362** acre-ft/yr

#### Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: ? **595.096** acre-ft/yr

**WATER LOSSES:** **809.458** acre-ft/yr

### NON-REVENUE WATER

**NON-REVENUE WATER:** ? **920.262** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

### SYSTEM DATA

Length of mains:	+ ?	4	250.0	miles
Number of active AND inactive service connections:	+ ?	9	14,272	
Service connection density:	?		57	conn./mile main

Are customer meters typically located at the curbside or property line?

Average length of customer service line: + ? (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + ? 8 75.0 psi

### COST DATA

Total annual cost of operating water system:	+ ?	10	\$12,479,817	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ?	9	\$2.71	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+ ?	7	\$979.63	\$/acre-ft

Use Customer Retail Unit Cost to value real losses

### WATER AUDIT DATA VALIDITY SCORE:

\*\*\* YOUR SCORE IS: 78 out of 100 \*\*\*

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

### PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Systematic data handling errors
- 3: Variable production cost (applied to Real Losses)



# AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0  
American Water Works Association.  
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? Click to access definition  
+ Click to add a comment

Water Audit Report for: **Lake Hemet Municipal Water District (3310022)**  
Reporting Year: **2018-2019** / **7/2018 - 6/2019**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

### WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+	?	7	7,444.927	acre-ft/yr
Water imported:	+	?	8	33.740	acre-ft/yr
Water exported:	+	?	7	0.042	acre-ft/yr

### Master Meter and Supply Error Adjustments

Pcnt:	Value:	acre-ft/yr					
+	?	9	-1.00%	<input checked="" type="radio"/>	<input type="radio"/>		acre-ft/yr
+	?	8	-2.00%	<input checked="" type="radio"/>	<input type="radio"/>		acre-ft/yr
+	?			<input type="radio"/>	<input type="radio"/>		acre-ft/yr

Enter negative % or value for under-registration  
Enter positive % or value for over-registration

**WATER SUPPLIED:** **7,554.515** acre-ft/yr

### AUTHORIZED CONSUMPTION

Billed metered:	+	?	9	6,658.820	acre-ft/yr
Billed unmetered:	+	?	n/a		acre-ft/yr
Unbilled metered:	+	?	9	4.010	acre-ft/yr
Unbilled unmetered:	+	?		94.431	acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

**AUTHORIZED CONSUMPTION:** **6,757.261** acre-ft/yr

Click here: ?  
for help using option buttons below

Pcnt:	Value:	acre-ft/yr		
1.25%	<input checked="" type="radio"/>	<input type="radio"/>		acre-ft/yr

Use buttons to select percentage of water supplied  
OR  
value

Pcnt:	Value:	acre-ft/yr		
0.25%	<input checked="" type="radio"/>	<input type="radio"/>		acre-ft/yr

2.00%	<input checked="" type="radio"/>	<input type="radio"/>		acre-ft/yr
0.25%	<input checked="" type="radio"/>	<input type="radio"/>		acre-ft/yr

### WATER LOSSES (Water Supplied - Authorized Consumption)

**797.253** acre-ft/yr

#### Apparent Losses

Unauthorized consumption: + ? 18.886 acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	?	8	135.976	acre-ft/yr
Systematic data handling errors:	+	?		16.647	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

**Apparent Losses:** **171.509** acre-ft/yr

#### Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: ? **625.744** acre-ft/yr

**WATER LOSSES:** **797.253** acre-ft/yr

### NON-REVENUE WATER

**NON-REVENUE WATER:** ? **895.695** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

### SYSTEM DATA

Length of mains:	+	?	4	250.0	miles
Number of <u>active</u> AND <u>inactive</u> service connections:	+	?	9	14,310	
Service connection density:	?			57	conn./mile main

Are customer meters typically located at the curbside or property line?

Average length of customer service line: + ? (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + ? 8 77.0 psi

### COST DATA

Total annual cost of operating water system:	+	?	9	\$14,504,625	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+	?	9	\$2.71	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+	?	7	\$979.63	\$/acre-ft

Use Customer Retail Unit Cost to value real losses

### WATER AUDIT DATA VALIDITY SCORE:

\*\*\* YOUR SCORE IS: 76 out of 100 \*\*\*

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

### PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Unauthorized consumption
- 3: Systematic data handling errors



# AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0  
American Water Works Association.  
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? Click to access definition  
+ Click to add a comment

Water Audit Report for: **Lake Hemet Municipal Water District (3310022)**  
Reporting Year: **2019**    **1/2019 - 12/2019**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

### WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	+	?	8	<input type="text" value="7,185.143"/>	acre-ft/yr
Water imported:	+	?	9	<input type="text" value="131.139"/>	acre-ft/yr
Water exported:	+	?	8	<input type="text" value="0.000"/>	acre-ft/yr

### Master Meter and Supply Error Adjustments

Pcnt:	Value:	
+	?	10
-1.00%	<input type="radio"/>	<input type="radio"/>
+	?	8
-2.00%	<input checked="" type="radio"/>	<input type="radio"/>
+	?	
	<input type="radio"/>	<input type="radio"/>

Enter negative % or value for under-registration  
Enter positive % or value for over-registration

**WATER SUPPLIED:**     acre-ft/yr

### AUTHORIZED CONSUMPTION

Billed metered:	+	?	9	<input type="text" value="6,461.800"/>	acre-ft/yr
Billed unmetered:	+	?	n/a		acre-ft/yr
Unbilled metered:	+	?	9	<input type="text" value="2.856"/>	acre-ft/yr
Unbilled unmetered:	+	?		<input type="text" value="92.394"/>	acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

**AUTHORIZED CONSUMPTION:**     acre-ft/yr

Click here: ?  
for help using option buttons below

Pcnt:	Value:	
1.25%	<input checked="" type="radio"/>	<input type="radio"/>

Use buttons to select percentage of water supplied  
OR  
value

Pcnt:	Value:	
0.25%	<input checked="" type="radio"/>	<input type="radio"/>

2.00%	<input checked="" type="radio"/>	<input type="radio"/>
0.25%	<input checked="" type="radio"/>	<input type="radio"/>

### WATER LOSSES (Water Supplied - Authorized Consumption)

acre-ft/yr

#### Apparent Losses

Unauthorized consumption:     acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	?	8	<input type="text" value="131.932"/>	acre-ft/yr
Systematic data handling errors:	+	?		<input type="text" value="16.155"/>	acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

**Apparent Losses:**     acre-ft/yr

#### Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:     acre-ft/yr

**WATER LOSSES:**     acre-ft/yr

### NON-REVENUE WATER

**NON-REVENUE WATER:**     acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

### SYSTEM DATA

Length of mains:	+	?	8	<input type="text" value="250.0"/>	miles
Number of <u>active AND inactive</u> service connections:	+	?	9	<input type="text" value="14,310"/>	
Service connection density:	?			<input type="text" value="57"/>	conn./mile main

Are customer meters typically located at the curbside or property line?   

Average length of customer service line:     (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure:     psi

### COST DATA

Total annual cost of operating water system:	+	?	10	<input type="text" value="\$14,504.625"/>	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+	?	9	<input type="text" value="\$2.71"/>	\$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+	?	7	<input type="text" value="\$979.63"/>	\$/acre-ft <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

### WATER AUDIT DATA VALIDITY SCORE:

\*\*\* YOUR SCORE IS: 81 out of 100 \*\*\*

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

### PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Unauthorized consumption
- 3: Systematic data handling errors

# **APPENDIX D**

## **60 DAY REVIEW NOTICES**

**Board of Directors**

Todd A. Foutz  
President  
Division 3

Steven A. Pastor  
Vice President  
Division 5

Frank D. Marshall III  
Secretary / Treasurer  
Division 1

Larry Minor  
Division 4

David J. Jorgensen  
Division 2



**Staff**

Michael A. Gow  
General Manager/  
Chief Engineer

Kathleen Billinger  
Asst. Secretary/Treasurer

LeAnn Markham  
Admin. Services Manager

Will Carter  
Operations & Maintenance  
Manager

Andy Forst  
Construction Manager

**Mailing Address: P.O. Box 5039, Hemet, CA 92544-0039**  
26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

August 12, 2021

Riverside County Administrative Center  
County of Riverside  
4080 Lemon St  
Riverside, CA 92502  
[planning@rivco.org](mailto:planning@rivco.org)

Subject: Urban Water Management Plan Update Notification

Urban retail water suppliers are required to adopt an Urban Water Management Plan (UWMP) which must be updated every five years. State law also requires urban water suppliers to notify any city or county within which the supplier provides water that the supplier will be reviewing and considering amendments to the plan.

Accordingly, Lake Hemet Municipal Water District will be reviewing its 2020 UWMP and considering amendments or changes to the plan. LHMWD will likely hold a public hearing at its regularly scheduled Board meeting on October 21, 2021 to consider adopting the plan.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

**Board of Directors**

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Division 3

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[www.lhmwd.org](http://www.lhmwd.org)

August 12, 2021

Travis Holyoak  
City of Hemet  
3777 Industrial Ave  
Hemet, CA 92545  
[tholyoak@hemetca.gov](mailto:tholyoak@hemetca.gov)

Subject: Urban Water Management Plan Update Notification

Dear Mr. Holyoak,

Urban retail water suppliers are required to adopt an Urban Water Management Plan (UWMP) which must be updated every five years. State law also requires urban water suppliers to notify any city or county within which the supplier provides water that the supplier will be reviewing and considering amendments to the plan.

Accordingly, Lake Hemet Municipal Water District will be reviewing its 2020 UWMP and considering amendments or changes to the plan. LHMWD will likely hold a public hearing at its regularly scheduled Board meeting on October 21, 2021 to consider adopting the plan.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

**Board of Directors**

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26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

August 12, 2021

Matthew Osborn  
City of San Jacinto  
595 S. San Jacinto Ave  
San Jacinto, CA 92583  
[mosborn@sanjacintoca.gov](mailto:mosborn@sanjacintoca.gov)

Subject: Urban Water Management Plan Update Notification

Dear Mr. Osborn,

Urban retail water suppliers are required to adopt an Urban Water Management Plan (UWMP) which must be updated every five years. State law also requires urban water suppliers to notify any city or county within which the supplier provides water that the supplier will be reviewing and considering amendments to the plan.

Accordingly, Lake Hemet Municipal Water District will be reviewing its 2020 UWMP and considering amendments or changes to the plan. LHMWD will likely hold a public hearing at its regularly scheduled Board meeting on October 21, 2021 to consider adopting the plan.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor



**Board of Directors**

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26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

August 12, 2021

Gordon Ng  
Eastern Municipal Water District  
P.O. Box 8300  
Perris, CA 92572  
[ngg@emwd.org](mailto:ngg@emwd.org)

Subject: Urban Water Management Plan Update Notification

Dear Mr. Ng,

Urban retail water suppliers are required to adopt an Urban Water Management Plan (UWMP) which must be updated every five years. State law also requires urban water suppliers to notify any city or county within which the supplier provides water that the supplier will be reviewing and considering amendments to the plan.

Accordingly, Lake Hemet Municipal Water District will be reviewing its 2020 UWMP and considering amendments or changes to the plan. LHMWD will likely hold a public hearing at its regularly scheduled Board meeting on October 21, 2021 to consider adopting the plan.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

**APPENDIX E**

**PRELIMINARY  
TRANSMITTAL  
LETTER**

**Board of Directors**

Todd A. Foutz  
President  
Division 3

Steven A. Pastor  
Vice President  
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[www.lhmwd.org](http://www.lhmwd.org)

December 20, 2021

State of California  
Department of Water Resources  
Water Use & Efficiency  
P.O. Box 942836  
Sacramento, CA 94236

Subject: 2020 Urban Water Management Plan

To Whom It May Concern,

Attached is the 2020 Urban Water Management Plan for the Lake Hemet Municipal Water District as required by Water Code Section 10644(a). The UWMP was approved by the Lake Hemet MWD Board of Directors after the public hearing on December 16, 2021. For your convenience, the UWMP is also available on the Lake Hemet MWD website at <https://www.lhmwd.org>.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

**Board of Directors**

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26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

December 20, 2021

State Library  
State of California  
P.O. Box 942837  
Sacramento, CA 94237-0001

Subject: 2020 Urban Water Management Plan

To Whom It May Concern,

Attached is the 2015 Urban Water Management Plan for the Lake Hemet Municipal Water District as required by Water Code Section 10644(a). The UWMP was approved by the Lake Hemet MWD Board of Directors after the public hearing on December 16, 2021. For your convenience, the UWMP is also available on the Lake Hemet MWD website at <https://www.lhmwd.org>.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

**Board of Directors**

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Construction Manager

**Mailing Address: P.O. Box 5039, Hemet, CA 92544-0039**  
26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

December 20, 2021

Riverside County Administrative Center  
County of Riverside  
4080 Lemon St  
Riverside, CA 92502  
[planning@rivco.org](mailto:planning@rivco.org)

Subject: 2020 Urban Water Management Plan

To Whom It May Concern,

Attached is the 2020 Urban Water Management Plan for the Lake Hemet Municipal Water District as required by Water Code Section 10644(a). The UWMP was approved by the Lake Hemet MWD Board of Directors after the public hearing on December 16, 2021. For your convenience, the UWMP is also available on the Lake Hemet MWD website at <https://www.lhmwd.org>.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

**Board of Directors**

Todd A. Foutz  
President  
Division 3

Steven A. Pastor  
Vice President  
Division 5

Frank D. Marshall III  
Secretary / Treasurer  
Division 1

Larry Minor  
Division 4

David J. Jorgensen  
Division 2



**Staff**

Michael A. Gow  
General Manager/  
Chief Engineer

Kathleen Billinger  
Asst. Secretary/Treasurer

LeAnn Markham  
Admin. Services Manager

Will Carter  
Operations & Maintenance  
Manager

Andy Forst  
Construction Manager

**Mailing Address: P.O. Box 5039, Hemet, CA 92544-0039**  
26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

December 20, 2021

Travis Holyoak  
City of Hemet  
3777 Industrial Ave  
Hemet, CA 92545  
[tholyoak@hemetca.gov](mailto:tholyoak@hemetca.gov)

Subject: 2020 Urban Water Management Plan

Dear Mr. Holyoak,

Attached is the 2020 Urban Water Management Plan for the Lake Hemet Municipal Water District as required by Water Code Section 10644(a). The UWMP was approved by the Lake Hemet MWD Board of Directors after the public hearing on December 16, 2021. For your convenience, the UWMP is also available on the Lake Hemet MWD website at <https://www.lhmwd.org>.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

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Operations & Maintenance  
Manager

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Construction Manager

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26385 Fairview Avenue, Hemet, CA  
Phone: 951/658-3241 Fax 951/766-7031  
[www.lhmwd.org](http://www.lhmwd.org)

December 20, 2021

Matthew Osborn  
City of San Jacinto  
595 S. San Jacinto Ave  
San Jacinto, CA 92583  
[mosborn@sanjacintoca.gov](mailto:mosborn@sanjacintoca.gov)

Subject: 2020 Urban Water Management Plan

Dear Mr. Osborn,

Attached is the 2020 Urban Water Management Plan for the Lake Hemet Municipal Water District as required by Water Code Section 10644(a). The UWMP was approved by the Lake Hemet MWD Board of Directors after the public hearing on December 16, 2021. For your convenience, the UWMP is also available on the Lake Hemet MWD website at <https://www.lhmwd.org>.

If you have any comments or questions, please contact me at (951) 658-3241, ext. 256 or via email at [jvenable@lhmwd.org](mailto:jvenable@lhmwd.org).

Respectfully,

Jason Venable  
Customer Service Supervisor

# **APPENDIX F**

## **LEGAL NEWSPAPER AD**



# THE PRESS-ENTERPRISE

1825 Chicago Ave, Suite 100  
Riverside, CA 92507  
951-684-1200  
951-368-9018 FAX

## PROOF OF PUBLICATION (2010, 2015.5 C.C.P)

Publication(s): The Press-Enterprise

PROOF OF PUBLICATION OF

Ad Desc.: UWMP 60 Day Notice 2021 - Public /

I am a citizen of the United States. I am over the age of eighteen years and not a party to or interested in the above entitled matter. I am an authorized representative of THE PRESS-ENTERPRISE, a newspaper in general circulation, printed and published daily in the County of Riverside, and which newspaper has been adjudicated a newspaper of general circulation by the Superior Court of the County of Riverside, State of California, under date of April 25, 1952, Case Number 54446, under date of March 29, 1957, Case Number 65673, under date of August 25, 1995, Case Number 267864, and under date of September 16, 2013, Case Number RIC 1309013; that the notice, of which the annexed is a printed copy, has been published in said newspaper in accordance with the instructions of the person(s) requesting publication, and not in any supplement thereof on the following dates, to wit:

**10/20, 10/13/2021**

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Date: October 20, 2021  
At: Riverside, California



Legal Advertising Representative, The Press-Enterprise

LAKE HEMET MUNICIPAL WATER DIS  
PO BOX 5039  
HEMET, CA 92544-0039

Ad Number: 0011494012-01

P.O. Number:

Ad Copy:

## LAKE HEMET MUNICIPAL WATER DISTRICT NOTICE OF PUBLIC HEARING 2020 URBAN WATER MANAGEMENT PLAN ADOPTION

The Lake Hemet Municipal Water District (LHMWD) Board of Directors will conduct a Public Hearing at its regularly scheduled meeting on **Thursday, December 16, 2021, 3:00 p.m.** at the District office located at 26385 Fairview Avenue, Hemet, CA for the purpose of adopting its 2020 Urban Water Management Plan and Water Shortage Contingency Plan.

The Urban Water Management Plan describes and evaluates the supply sources used to meet existing and projected water demands and is required by State law to be updated at least every 5 years, in years ending in six and one. Public input will be considered during the completion of the 2020 UMWP. Please submit any comments or requests for additional information regarding the Urban Water Management Plan or Water Shortage Contingency Plan by mail to 26385 Fairview Ave, Hemet, CA or by email to [ivenable@lhmwd.org](mailto:ivenable@lhmwd.org) by November 12, 2021.

Press-Enterprise: 10/13, 10/20

# **APPENDIX G**

## **ADOPTING RESOLUTION 2020 UWMP AND WSCP**

**RESOLUTION NO. 803**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF  
LAKE HEMET MUNICIPAL WATER DISTRICT  
TO ADOPT THE 2020 URBAN WATER MANAGEMENT PLAN AND  
WATER SHORTAGE CONTINGENCY PLAN**

**WHEREAS**, the California Legislature enacted Assembly Bill 797 (Water Code Section 10610 et seq., known as the Urban Water Management Planning Act) during the 1983-1984 Regular Session, and as amended subsequently, which mandates that every supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually, prepare an Urban Water Management Plan (UWMP); and

**WHEREAS**, the Lake Hemet Municipal Water District is an urban supplier of water serving a population of over 52,000; and

**WHEREAS** the Plan shall be periodically reviewed at least once every five years, and the Lake Hemet Municipal Water District shall make any amendments or changes to its plan which are indicated by the review; and

**WHEREAS**, the Plan must be adopted, after public review and hearing, and filed with the California Department of Water Resources within thirty days of adoption; and

**WHEREAS**, the Urban Water Management Planning Act specifies the requirements and procedures for adopting the Water Shortage Contingency Plan; and

**WHEREAS**, the Lake Hemet Municipal Water District has therefore, prepared and circulated for public review a draft Urban Water Management Plan and Water Shortage Contingency Plan, and a properly noticed public hearing regarding said Plan was held by the Board of Directors on December 16, 2021, and

**NOW THEREFORE, BE IT RESOLVED** by the Board of Directors of the Lake Hemet Municipal Water District as follows:

1. The 2020 Urban Water Management Plan and Water Shortage Contingency Plan are hereby adopted and ordered filed with the District Secretary;
2. The General Manager is hereby authorized and directed to file the 2020 Urban Water Management Plan and Water Shortage Contingency Plan with the California Department of Water Resources within 30 days after this date;
3. The General Manager is hereby authorized and directed to implement the Water Conservation Programs as set forth in the Urban Water Management Plan 2020 Update, which includes water shortage

contingency analysis and recommendations to the Board of Directors regarding necessary procedures, rules, and regulations to carry out effective and equitable water conservation and water recycling programs;

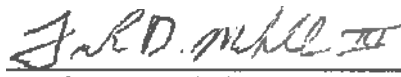
4. In a water shortage, the General Manager is hereby authorized to declare a Water Shortage Emergency according to the Water Shortage Stages and Triggers indicated in the Plan, and implement necessary elements of the Plan; and
5. The General Manager shall recommend to the Board of Directors additional regulations to carry out effective and equitable allocation of water resources.

ADOPTED this 16<sup>TH</sup> day of DECEMBER, 2021.

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

  
Steven A. Pastor  
Vice-President of the Board of Directors

ATTEST:

  
Frank D. Marshall, III  
Secretary of the Board of Directors  
Lake Hemet Municipal Water District

CERTIFICATION

I, Kathleen Billinger, Assistant Secretary/Treasurer of the Board of Directors of Lake Hemet Municipal Water District, do hereby certify that the foregoing Resolution No. 803 was adopted by the Board of Directors at their Regularly Scheduled Board Meeting held on the 16<sup>th</sup> of December, 2021, by the following roll call vote:

AYES: Jorgensen, Marshall, Minor, Pastor  
NOES: None  
ABSENT: Foutz  
ABSTAIN: None

IN WITNESS WHEREOF, I have hereunto set my hand and the official seal of the Lake Hemet Municipal Water District this 16<sup>th</sup> day of December, 2021.

  
Kathleen Billinger  
Assistant Secretary of the Board of Directors

(Seal)



# **APPENDIX H**

## **PUBLIC WATER SYSTEM STATISTICS ANNUAL REPORTS**

**2016-2020**

DRAFT

**LARGE WATER SYSTEM  
2016 ANNUAL REPORT TO THE DRINKING WATER PROGRAM  
FOR YEAR ENDING DECEMBER 31, 2016  
[Section 116530 Health & Safety Code]**

WATER SYSTEM INFORMATION	
Water System No.:	CA3310022
Water System Name:	LAKE HEMET MWD
Water System Ownership (See descriptions below):	Local Government <input type="checkbox"/>
Physical location: (address line 1, address line 2, city, zip) Note: <i>NO</i> P.O. Box	26385 Fairview Avenue P O Box 5039 HEMET 92544
General Office Phone: ① (with area code)	(851) 658-3241
Web site address:	www.lhmwd.org

Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

REPORT SUBMITTED BY: ②	
Note: Your name and title, email address, and work phone number are disclosable report information that may be obtained through the Public Records Act.	
Name:	Mitchell Freeman
Title:	Operations Manager, Water & Sewer
Work phone:	951.658.3241
Cell phone:	951.956.4836
Email address:	khornbarger@lhmwd.org

COMMENTS: ③ Jurisdiction of LHMWD combine parts of Hemet/San Jacinto and unincorporated Riverside County.

**I. Public Water System Contacts ④**

[Click here](#) to learn how to Modify, Add and Delete Contacts in the table below.

**IMPORTANT:** Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.



PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank. Only the BUSINESS phone type will appear in Drinking Water Watch (<https://sdwis.waterboards.ca.gov/PDWW/>), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

NAME, TITLE & ADDRESS	PHONE TYPE	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply) ⑤	
FREEMAN, MITCH MANAGER WATER/SEW P.O. Box 5039 26385 Fairview Ave. HEMET CA 92544	Business	951-658-3241	MFreeman@lhmwd.org	<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile	951-766-7031		<input type="checkbox"/> Financial	<input type="checkbox"/> Water Quality
	Mobile	951-956-4836		<input checked="" type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
				<input type="checkbox"/> Funding	
WAGONER, THOMAS		951-658-3241	TWagoner@lhmwd.org	<input checked="" type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
				<input checked="" type="checkbox"/> Administrative	

	Business	Home				
GENERAL MANAGER P.O. Box 5039 26385 Fairview Ave. HEMET CA 92544	Facsimile	951-766-7031			<input checked="" type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
	Mobile	951-837-7738			<input type="checkbox"/> Designated Operator In Charge	<input checked="" type="checkbox"/> Water Quality
	Emergency				<input type="checkbox"/> Owner	<input checked="" type="checkbox"/> Legal
					<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
GOW, MIKE ASST. GEN. MANAGER P.O. Box 5039 26385 Fairview Ave. HEMET CA 92544	Business	951-658-3241	MGow@ihmwd.org		<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home				<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile	951-766-7031			<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Water Quality
	Mobile	951-230-5491			<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency				<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
					<input type="checkbox"/> Funding	
FRANKFORTER, KRISTEN WATER QUALITY TECH P.O. Box 5039 26385 Fairview Ave. HEMET CA 92544	Business	951-658-3241	KFrankforter@ihmwd.org		<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home				<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Emergency
	Facsimile	951-766-7031			<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Water Quality
	Mobile	310-706-8547			<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency				<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
					<input type="checkbox"/> Funding	
	Business				<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home				<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile				<input type="checkbox"/> Financial	<input type="checkbox"/> Water Quality
	Mobile				<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency				<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
					<input type="checkbox"/> Funding	
	Business				<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home				<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile				<input type="checkbox"/> Financial	<input type="checkbox"/> Water Quality
	Mobile				<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency				<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
					<input type="checkbox"/> Funding	
	Business				<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home				<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile				<input type="checkbox"/> Financial	<input type="checkbox"/> Water Quality
	Mobile				<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency				<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
					<input type="checkbox"/> Funding	
Add Additional Contact <sup>Ⓢ</sup>				(pick all that apply)		
<input type="checkbox"/> Contract Operator						
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator	
--Title--	Home	(999) 999-9999	XXXXX@XXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency	
--Address Line 1--	Facsimile	(999) 999-9999		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality	
--Address Line 2--	Mobile		XXXXX@XXXXX.XXX	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal	
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Funding		



				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
Add Additional Contact <sup>Ⓢ</sup>				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1--	Facsimile	(999) 999-9999		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
--Address Line 2--	Mobile		XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
Add Additional Contact <sup>Ⓢ</sup>				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1--	Facsimile	(999) 999-9999		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
--Address Line 2--	Mobile		XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
Add Additional Contact <sup>Ⓢ</sup>				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1--	Facsimile	(999) 999-9999		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
--Address Line 2--	Mobile		XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
COMMENTS: <sup>Ⓢ</sup>					

## 2. POPULATION SERVED

Permanent population or number of long-term residents*: Please follow this <a href="#">LINK</a> for instructions to determine population.	50001
----------------------------------------------------------------------------------------------------------------------------------------------	-------

\*Long-term resident means someone who resides within the water system service area for more than half of the year.

Method used to determine population:	Other
--------------------------------------	-------

If permanent population is based on "Other", identify the methods or sources of how it was estimated::
Determined using 2010 Census. LHMWD is a D-5 system.

Seasonal Maximum Population (If applicable):	
----------------------------------------------	--

Provide season <sup>Ⓢ</sup>:

Begin Date		End Date	
MM	DD	MM	DD
01	01	12	31

List the names of communities served by the system, identifying both incorporated and unincorporated areas:
Hemet, San Jacinto, Valle Vista

COMMENTS: <sup>Ⓢ</sup>
------------------------

## 3. NUMBER OF SERVICE CONNECTIONS (as of December 31, 2016)

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:	14414
------------------------------------------------------------------------------------------	-------

The total number of Service Connections as of December 31, 2016 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
Do NOT report fire sprinkler connections and fire hydrants. These connections are not						

counted toward "service connections" for compliance purposes.						
<b>Single-family Residential:</b> single family detached dwellings	0	13239	13239	0	0	0
<b>Multi-family Residential:</b> Apartments, condominiums, town houses, duplexes and trailer parks	0	488	488	0	0	0
<b>Commercial/Institutional:</b> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels	0	448	448	0	0	0
<b>Industrial:</b> All manufacturing	0	4	4	0	0	0
<b>Landscape Irrigation:</b> Parks, play fields, cemeteries, median strips, golf courses	0	63	63	0	0	0
<b>Agricultural Irrigation:</b> Irrigation of commercially-grown crops	0	48	48	0	0	0
<b>Total Active Connections*</b>	0	14290	14290	0	0	0

\*Calculated field

To update totals click here



TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
<b>Other:</b> Fire suppression, street cleaning, line flushing, construction meters, temporary meters	0	11	11	0	0	0

B. Number of Inactive Connections (all types)

Include only service connections that have been physically disconnected (i.e., meter removed) from the water system. All other service connections should be considered as "Active."

19

COMMENTS:Ⓞ

#### 4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES

Type	Total No. Approved (by permit)	Total No. New/ Added in 2016	Total No. Inactivated in 2016	Total No. Destroyed in 2016
Active Groundwater Intakes (Wells)	9	0	4	0
Active Surface Water Intakes (Raw)	0	0	0	0
Active Purchased Water (GW) Connections	2	0	0	0
Active Purchased Water (SW) Connections	0	0	0	0
Standby Sources <sup>1</sup> Ⓞ	0	0	0	0
Emergency Interconnections	1	0	0	0
Inactive Sources <sup>2</sup>	1		4	0

Are your water sources metered?  Yes  No

If a standby source Ⓞ was used in 2016, provide the following information.

Name of the Standby Source used in 2016:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was the Division of Drinking Water notified? (Y/N)	Describe the reason the Standby Source was used:

<sup>2</sup>Inactive sources are not approved as sources of supply and must be physically disconnected or otherwise isolated so that only an intentional act by an operator can place the source in service.

COMMENTS:Ⓞ Inactive wells in 2016: 4 (Nos. 11, 4, 15 and 1A); Well No. 8 destroyed in March 2017.

**5. WATER PRODUCED, PURCHASED AND SOLD**

The **Maximum Day** is the day during 2016 with the highest total water usage. Provide the *date* for that day in Column B, then complete Columns C, D and E, indicating how much of the water on that day was from each source.

Units of Measure for this table: **Acre-feet (AF)**

Volumes are based on: **METERED VOLUMES**

A	B	C	D	E	F	G	H	I
Potable Water							Non-potable (exclude recycled)	Recycled
	Date/Month	Water Produced from Groundwater (Wells)	Water Produced from Surface Water <sup>1</sup>	Finished Water Purchased or Received from another PWS <sup>2</sup>	Total Amount of Potable Water <sup>3</sup>	Water Sold to Another PWS <sup>4</sup>		
Maximum Day <sup>1</sup>	08/17/16	32	0		32			
January		374.125	0	24.565	398.69	0	142.46	0
February		307.225	0	137.498	444.723	0	529.52	0
March		347.127	0	188.536	535.663	0	412.28	0
April		311.016	0	255.104	566.12	0	602.17	0
May		424.13	0	225.871	650.001	0	516.27	0
June		504.551	0	340.4703	845.0215	0	836.36	0
July		640.936	0	269.399	910.335	0	931.67	0
August		784.874	0	112.52	897.394	0	1019.61	0
September		751.127	0	36.681	787.808	0	916.3	0
October		683.456	0	3.948	687.404	0	704.31	0
November		555.122	0	0.001	555.123	0	486.42	0
December		430.97	0	0	430.97	0	173.57	0
Annual Total*		6114.659	0	1594.5935	7709.2525	0	7270.94	0
Percent Treated <sup>4</sup>								

PWS = Public Water System

<sup>1</sup>Calculated field

Non-potable = water supplies, except recycled water, that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation

Recycled = domestic wastewater which as a result of treatment is suitable for uses other than potable use such as irrigation or toilet flushing

<sup>1</sup>Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

<sup>2</sup>Do not include raw water purchased; report only volume of water that was treated.

<sup>3</sup>(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. To update, click below

To update totals click here

<sup>4</sup>This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection and fluoridation.

<sup>5</sup>If water was Purchased from or Sold to another PWS, complete the table below:

Specify whether water was Purchased or Sold	Name of PWS
Purchased	Eastern Municipal Water District

If recycled water was supplied to your customers, complete the table below:

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier
N/A	

COMMENTS:

**6a. WATER RATES**

If you have questions about completing this section of the report, please contact [Kathy.Frevert@Waterboards.ca.gov](mailto:Kathy.Frevert@Waterboards.ca.gov) or call (916) 322-5274.



Indicate the type of residential water rate structure  used by your water system:

What is your billing frequency?	monthly	
If tiered, what is the number of tiers?	5	
<b>Tier Rate Structure</b>	Upper level of water volume for each Tier in HCF (enter N/A if not applicable)	Cost per HCF
Tier Rate Structure level 1	7	1.934
Tier Rate Structure level 2	13	1.978
Tier Rate Structure level 3	25	2.095
Tier Rate Structure level 4	38	2.212
Tier Rate Structure level 5	39>	2.440
Tier Rate Structure level 6		
Tier Rate Structure level 7		
Comments:		
Date of most recent update to the rate structure: MM/DD/YYYY	07/01/2016	
Describe the changes that were made in the update:	CPI increase	
What is your new connection fee?	0	
<b>Residential service connections</b>		
For each meter size below (as applicable), what fee is charged to customers for a new service connection		
Size:	New Connection fee (in dollars)	
3/4 inch	2125.00	
5/8 inch	2110.00	
1 inch	2215.00	
Comments:		
Date of most recent update to the new connection fee: MM/DD/YYYY	07/16/2015	

Check items included in new residential connection fees:

<input type="checkbox"/>	Existing infrastructure buy-in (e.g., water treatment/conveyance/sewage treatment)
<input type="checkbox"/>	Upgrades to infrastructure (seismic retrofits, pipe replacements, etc.)
<input type="checkbox"/>	Storm water management system
<input type="checkbox"/>	Debt service charge
<input type="checkbox"/>	Development of new water supplies
<input type="checkbox"/>	Other
Comment:	

Select the most common residential meter size:

Complete the table below providing specific water rates applied to your customers:

Connection Type	FLAT BASE RATE (FBR)	If FBR + UUR, what is the volume allowed before UUR applies	UNIFORM USAGE RATE (UUR)	VARIABLE BASE RATE (provide range) (VBR)		VARIABLE USAGE RATE (provide range) (VUR)	
	\$ (Base)	HCF <input type="checkbox"/>	\$ per HCF	\$ Low	\$ High	\$ per HCF Low	\$ per HCF High
<b>RESIDENTIAL <input type="checkbox"/></b>							
Single-family Residential	0	0	0	30.91	123.35	2.33	3.37
Multi-family Residential	0	0	0	30.91	123.35	2.33	3.37
Do you provide lifeline/low income subsidies?			<input type="text" value="No"/>				
If Yes, provide rates:							
If yes, what percentage of residential customers receives this subsidy? (Example: X %)				%			
<b>NON-RESIDENTIAL <input type="checkbox"/></b>							
Commercial/Institutional	0	0	0	30.91	123.35	2.33	3.37
Industrial	0	0	0	30.91	123.35	2.33	3.37
Landscape Irrigation	0	0	0	30.91	123.35	2.33	3.37
Agricultural Irrigation	0	0	0	30.91	123.35	2.33	3.37
Other							

Do you have fire suppression surcharges?	No					
If Yes, provide rates:						
Do you have other surcharges?	Yes					
What are the other surcharges?	Imported Water Capital Projects					
If Yes, provide rates:	0	0	0	.297	.820	.096 .117



For each of the three water volumes shown below, provide what would be the monthly water bill for a single-family residential customer. Include all fees and service charges associated with water services that this customer would pay when their household used the specified amount of water.

Amount of water delivered to customer: Bill amount (including all charges/fees associated with the amount of water used):



- a. 6 HCF 44.88 Dollars/month
- b. 12 HCF 59.27 Dollars/month
- c. 24 HCF 90.76 Dollars/month

NOTE: If this is not a "Community" Water System or if individual customers do not pay a separate bill for water enter "0". If bill amount would vary by season, use the month or time period with the highest water consumption.

HCF means "hundred cubic feet". There are 748 gallons in 100 cubic feet.

### 6b. WATER DELIVERIES

Units of Measure for this table: 100 cubic feet

Provide monthly metered water deliveries in the table below.

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/ Institutional	Industrial	Landscape Irrigation	Other	Total Urban Retail <sup>1</sup>	Agricultural	Other PWS
Check if Recycled Water is included:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
January	134488	20652	12567	13	2655	0	170375	27848	0
February	117034	17184	12843	69	1529	0	148659	213387	0
March	136850	18793	14710	16	2803	0	173172	188184	0
April	175564	22346	20452	13	3220	0	221595	253110	0
May	165165	19163	21040	13	3328	0	208709	240290	0
June	224954	22375	28575	17	5169	0	281090	397642	0
July	276969	26459	32855	30	6448	0	342761	527660	0
August	289139	30581	35900	17	5737	0	361374	518939	0
September	214383	17752	29435	24	6663	0	268257	399066	0
October	231748	26726	28883	24	6527	0	293908	310888	0
November	191385	23945	23989	20	5353	0	244692	207751	0
December	142391	20865	16566	12	3300	0	183134	90731	0
Total*	2300070	266841	277815	268	52732	0	2897726	3375496	0

PWS = Public Water System

\* Calculated field

<sup>1</sup>Total Urban Retail = Sum of Columns (B) thru (G), automatically calculated. To update, click below

To update totals click here



### 6c. WATER EFFICIENCY INFORMATION

What steps have your system taken, if any, to implement SB 407 (2009) = "Property transfers: plumbing fixtures replacement"?

Describe:

None

COMMENTS:

**7. WATER QUALITY**

**ANNUAL NITRATE SAMPLING**

Regulations require a minimum of annual sampling for nitrate. If any nitrate result is  $\geq 1/2$  the MCL (Maximum Contaminant Level) of 10 mg/l as nitrogen (i.e., a result of  $\geq 5$  mg/l as nitrogen) then quarterly monitoring must be initiated.

Did your system conduct monitoring for nitrate during 2016 from each source?	Yes
------------------------------------------------------------------------------	-----

NOTE: If there were any sources that were not monitored because they were offline during 2016, you must contact your local regulatory agency to avoid an enforcement action for failure to monitor.

**BACTERIOLOGICAL SAMPLE SITING PLAN**

The coliform monitoring regulations require that an updated sample-siting plan be submitted at least every 10 years, and at any time the plan no longer ensures representative monitoring of the system (Section 64422 of Title 22).

Date of current bacteriological sample siting plan:	08/22/2016
-----------------------------------------------------	------------

**DIRECT ADDITIVES**

Pursuant to Section 64590, Title 22 of the California Code of Regulations, (effective January 1, 1994), all chemicals or products, including chlorine, added directly to the drinking water as part of a treatment process must meet the ANSI/NSF Standard 60. Please complete the following table for each chemical used by this water system. If you are not sure whether a chemical you are using meets this standard, contact the manufacturer or distributor of the chemical.

If you do not use any direct additives, put "NONE" in each column of the first row.

Name of Chemical	Name of Manufacturer	Purpose of using chemical	Chemical is ANSI/NSF Standard 60 certified (Y/N)	Use initiated in 2016 (Y/N)
Calcium Hypochlorite	Environmental Compliance Resources	Disinfection	Y	N

**INDIRECT ADDITIVES**

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

Does your water system have procedures to ensure all future equipment and materials meet this standard?	Yes
---------------------------------------------------------------------------------------------------------	-----

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS:Ⓞ
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**8. CROSS-CONNECTION CONTROL Ⓞ**

	Total Number in System	Number Installed in 2016	Number Tested in 2016	Number Failed in 2016	Number Repaired/ Replaced
Backflow Assemblies Ⓞ on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	633	9	601	67	71
Backflow Assemblies On-site but not on the Service Connections or Meter Ⓞ (Reduced Pressure Principle and Double Check Valve assemblies)	0	0			
Air-gap Separation Ⓞ	0	0			

No. of Inactive Backflow Prevention Assemblies in water system in 2016 Ⓞ:	34
Date of last cross-connection control survey done on the system:	03/24/2016
Cross Connection Control Program Coordinator	
Name:	Ross Detwiler
Certification Number:	10373
Business Phone:	(951) 658-3241 x 252
Email Address:	rdetwiler@lhmwd.org

Certification or training received: Cross Connection Control Specialist

Describe any cross-connection incidents  that occurred during 2016:

COMMENTS:

**9. CONSUMER CONFIDENCE REPORT**  (does not apply to Transient Noncommunity water systems)

THE 2016 CCR MUST BE DISTRIBUTED TO YOUR CUSTOMERS AND A COPY SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY JULY 1, 2017. IN ADDITION, PUBLIC WATER SYSTEMS THAT ARE ALSO REGULATED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION (PUC) MUST MAIL A COPY OF THEIR CCR TO THE PUC BY JULY 1, 2017.

CERTIFICATION MUST BE SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY OCTOBER 1, 2017, STATING THAT THE 2016 CCR HAS BEEN DISTRIBUTED TO CUSTOMERS AND THAT THE INFORMATION IS CORRECT.

The CCR guidance, CCR template, and the certification form can be obtained from the Division of Drinking Water web site at [http://www.waterboards.ca.gov/drinking\\_water/certification/drinkingwater/CCR.shtml](http://www.waterboards.ca.gov/drinking_water/certification/drinkingwater/CCR.shtml)

Indicate the date your 2016 CCR was distributed or will be distributed to your customers: 06/30/2017 mm/dd/yyyy

PUBLIC WATER SYSTEMS THAT SERVE 100,000 OR MORE PERSONS ARE REQUIRED TO POST THEIR CCR ON THE INTERNET.

If your water system serves 100,000 or more persons, indicate the date the CCR was or will be posted to the Internet:

If applicable, please provide the URL link to the CCR posted on the Internet:

COMMENTS:

**10. OPERATOR CERTIFICATION**

A. Please list the State certified Water Treatment Plant Operators employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) .

Your Highest Treatment System Classification is: There are no facilities subject to the Certified Treatment Plant Operator requirements

If you do not have a Certified Treatment Plant Operator, put "NONE" in each column of the first row.

Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Treatment Operator Number (4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
Mitchell J. Freeman	T4	C	12892	11/01/2019
Michael L. Booth	T2	S	16653	06/01/2019
Andrew C. Forst	T2	S	22114	07/01/2020
Mike Gow	T2	X	35672	12/01/2019
Richard D. Johnson	T2	S	16709	11/01/2016
Jeffrey S. McKee	T2	S	24740	08/01/2019
Thomas W. Wagoner	T2	X	28399	02/01/2019
David J. Wilke	T2	S	23763	05/01/2019
Michael W. Mudge	T2	S	24668	01/01/2018
Ed W. Wasmer	T2	S	23763	01/01/2018
Gregory Bagwell	T1	S	24665	07/01/2017
Jeremy Unland	T1	S	34166	02/01/2018
Andrew L. Lowe	T1	S	30195	11/01/2017
Kenneth E. Squires	T1	S	30324	01/01/2018
Christopher M. Pillow	T1	S	35113	02/01/2019

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

Do your Chief and Shift Treatment Plant Operators have the minimum level required? Yes

B. Please list the State certified Water Distribution System Operators employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s) .

Your Distribution System Classification is: D5

If you do not have a Certified Distribution System Operator, put "NONE" in each column of the first row.

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Distribution Operator Number (4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
Mitchell J. Freeman	D5	C	3479	06/01/2020
Richard D. Johnson	D5	S	6121	01/01/2020
Michael W. Medge	D5	S	16712	05/01/2018
Thomas W. Wagoner	D5	X	21363	02/01/2018
Andrew C. Forst	D5	S	9289	04/01/2018
William R. Carter	D5	S	25557	08/01/2018
Michael L. Booth	D4	S	6113	06/01/2018
Jeffrey S. McKee	D4	S	5905	03/01/2018
Deen M. Wade	D4	S	19099	07/01/2018
Greg Bagwell	D3	S	19094	01/01/2018
Noah L. Bischof	D3	S	32895	07/01/2018
John A. Smith	D3	S	26893	10/01/2017
Kenneth K. Grant	D3	S	21358	06/01/2018
Eric M. Libeu	D3	S	30031	03/01/2019
Thomas L. Moses	D3	S	30032	05/01/2019
Matt Park	D3	X	30030	11/01/2019
Miguel J. Rodriguez	D3	S	30038	01/01/2018
Kenneth E. Squires	D3	S	32296	02/01/2018
Andrew L. Lowe	D3	S	32296	08/01/2019
Ed W. Wasmer	D3	X	39183	08/01/2017
Mike A. Gow	D2	X	4583	11/01/2017
Hector Martin Ambriz	D3	S	16770	01/01/2019
Ross W. Detwiler	D2	S	30039	01/01/2018
Ryan H. Merrick	D2	S	29019	10/01/2018
Christopher M. Pillow	D2	S	31407	08/01/2018
Craig W. Pirot	D2	S	9449	06/01/2018
Luciano Scudieri	D2	S	31361	07/01/2018
David J. Wilke	D3	S	10344	09/01/2019
Geoffrey P. Wolever	D2	S	16651	04/01/2020
Zeferino Fuentes	D2	S	33499	11/01/2017
Jeremy S. Unland	D2	X	39574	11/01/2017
Sieve Gates	D2	S	46857	05/01/2019
Charles Sexton	D2	S	47286	10/01/2019
Elliott M. Magdaleno	D3	X	39404	03/01/2019
Ernie Contreras	D1	S	36069	04/01/2018
James E. Geller	D1	S	31350	07/01/2018
Kristen Frankforter	D1	X	46043	05/01/2019

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

Do your Chief and Shift Distribution System Operators have the minimum level required?  Yes  No

COMMENTS:

## 11. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
  - Adding a new source
  - Changing the status of an existing source (for example, active to standby) or
  - Changing or altering a source, such that the quality or quantity of water supply could be affected



- Any addition or change in treatment, including
  - Design capacity
  - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2016 for which a permit was not obtained, please describe the improvements or modifications below.

Reline Marshall 2MG Tank Lower Skycrest Pipeline Replacement

Indicate any planned improvements or modifications for 2017.

Destroy Well No. 8 Redrill Well No. 8 Remove Tank at Well No. 8 Replace Tank at McMillan Well.

COMMENTS:

### 12. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	2	2	0	Hot water heater flushed
Color	2	2	0	High demand on pipes; cleared up w/flushing
Turbidity	2	1	0	Air in lines
Visible Organisms	0	0	0	
Pressure (High or Low)	1	1	0	Booster being replaced
Water Outages <sup>1</sup>	0	0	0	
Illnesses (Waterborne)	0	0	0	
Other (Specify)	6	6	0	Sand and debris; directional flow change; fixed w/flushing
Total No. of Complaints*	13	12	0	


<sup>1</sup>These are customer complaints of a water outage and not necessarily the same as the water outages reported under "System Problems" in the Distribution Section of the EARDWP.

\*Calculated field

To update totals click here

COMMENTS:

### 13. RECYCLED WATER USE

 Do you have recycled water in your service area (provided by you or another utility)?

Recycled Water (RW) Use Sites	Total No. of Approved Sites as of Dec. 31, 2016	No. of New Sites Approved in 2016	No. of Sites Proposed for 2017
Irrigation, Agriculture			
Irrigation, Landscape			
Industrial			
Dual-plumbed <input type="checkbox"/> (In-building)			
Dual-plumbed (Single-family lot)			
Cooling Towers			
Other			
Total*	0	0	0

To update totals click here

Name of the recycled water coordinator:	
Business Phone:	
Email address:	

How many inspections of recycled water use sites were conducted in 2016?	
How many pressure/shutdown tests were performed in 2016?	
Do all of your recycled water uses sites have an on-site supervisor?	<input type="button" value="Pick one"/> ▾
How many recycled water uses sites do not have an on-site supervisor?	
<b>COMMENTS:</b> ☺	

**14. SYSTEM OPERATION - TREATMENT**

**A. GROUNDWATER TREATMENT** (respond only if groundwater treatment is provided)

Groundwater Treatment Plant Name	Treatment Plant Classification	Capacity (MGD)	Type of Treatment	Date of Operations Plan	Is Operations Plan Current? (Y/N)

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2016 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

**B. SURFACE WATER TREATMENT** (respond only if surface water treatment is provided)

Surface water Treatment Plant Name	Treatment Plant Classification	Capacity (MGD)	Type of Treatment	Date of Operations Plan	Is Operations Plan Current? (Y/N)

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2016 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

Date of current Emergency Disinfection Plan (EDP)*:	06/25/2015
<i>*As required under Section 64660(c)(2). The EDP may be included in your water system's Emergency Response Plan or Operations Plan. If so, provide the Name and Date of those plans below.</i>	
Name of Document that includes the Emergency Disinfection Plan:	Emergency Plan for Disinfection in Lake Hemet MWD System 3310022
Date of document that includes the Emergency Disinfection Plan:	06/25/2015
Date of last watershed sanitary survey report ☺:	09/05/2014
Date planned to complete next watershed sanitary survey report*:	09/05/2019
<i>*As required under Section 64665, each watershed sanitary survey shall be updated at least every 5 years.</i>	

<b>COMMENTS:</b> ☺
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**13. SYSTEM OPERATION – DISTRIBUTION**

**A1. DEAD-END FLUSHING PROGRAM**

Total No. in System	No. with Blowoffs	No. Flushed in 2016	Frequency of Flushing
536	522	8	After repairs, or when complaints are received.

**A2. ALL FLUSHING OPERATIONS**



Units of Measure for total volume reported below:	Acro-foot (AF) ▾
Total Volume in units of measure selected above; include all types of flushing, not just dead-end flushing: SB-355 Urban retail water suppliers: water loss management (2015-2016) ①	27.97

**B. VALVE EXERCISE PROGRAM**

Size Range of Valves	Total No. in System	No. Exercised in 2016	Frequency of Valve Exercising
3" - 18"	4855	591	10 years +/-

**C. STORAGE TANK/RESERVOIR INSPECTION/CLEANING PROGRAM**

(Do not include pressure tanks)

Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection ①	Date of last cleaning	Date re-lined or coated
Lake #2	2MG	1977	04/29/2015	04/29/2015	04/20/2013
Section #13	0.04 MG	unk	04/30/2015	04/30/2015	12/2005
Middle Skycrest	0.06MG	03/15/2010	04/30/2015	04/30/2015	
Cornell	2MG	1969	04/07/2014	04/07/2014	05/20/2012
Little Lake	1MG	1956	02/12/2014	05/12/2014	03/25/2010
Park Hill	2MG	1996	10/18/2013	10/18/2013	1996
W-2	.02MG	unk	10/13/2014	10/13/2014	unk
Marshall	2MG	1990	04/13/2016	04/13/2016	04/13/2016
Bee Canyon	0.5MG	unk	10/18/2012	10/18/2012	2001
Upper Skycrest	0.3	1966	10/16/2012	10/16/2012	2002
Lake St. #1	2.0	1972	05/18/2016	05/18/2016	2003
Lake St. #2	2.0	1977	04/2013	04/2013	04/2013
Section 13	0.04	unk	04/30/2015	04/30/2015	12/2005
Cunningham	0.12	unk	03/20/2012	03/20/2012	02/2001
Sprague Heights	0.195	unk	05/19/2016	05/19/2016	2003
Upper Skycrest	0.3	unk	10/16/2012	10/16/2012	2002
Middle Skycrest	0.06	03/10/2010	04/30/2015	04/30/2015	
Paches Trail	0.06	2003	10/16/2012	10/16/2012	
Well #10	0.02	unk	11/2014		
Well #2	0.02	unk	10/13/2014	10/13/2014	
Well #8	0.02	unk	04/2015	04/2015	
M & M Well	0.04	unk	02/08/2012	02/08/2012	
McMillan Well	0.04	unk	06/2012	06/2012	
Webcor	0.02	unk	01/14/2013	01/14/2013	
Pipeyard	0.02	unk	01/12/2016	01/12/2016	unk

**D. SYSTEM PROBLEMS**

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken

Service Connection Breaks/ Leaks	145	145	0	Replace or Repair Water Service Leaks
Main Breaks/Leaks	67	67	0	Main leaks -- repaired
Water Outages	8	8	0	Main Repairs
Boil Water Orders	0	0	0	
Total*	220	220	0	

To update totals click here

COMMENTS:

## 16. EMERGENCY PREPAREDNESS AND RESPONSE

### A. EMERGENCY RESPONSE PLANS

PUBLIC WATER SYSTEMS WITH AT LEAST 3,300 OR MORE PERSONS ARE REQUIRED TO REVIEW AND REVISE THEIR EMERGENCY RESPONSE PLAN TO ENSURE THAT THE PLANS ARE SUFFICIENT TO ADDRESS POSSIBLE DISASTER SCENARIOS.

Do you have an Emergency Response Plan (ERP) that addresses the procedures for the restoration of water service for your water system?	Yes
Date of your current Emergency Response Plan:	05/14/2013
Date ERP was last exercised with a tabletop or other activity:	10/20/2016

### B. AUXILIARY POWER SUPPLY

Does your water system have backup power for:	
1. Sources:	All
2. Pumping Stations:	All
3. Water Treatment Plants:	All
If your system has backup power, how many times per year is it exercised?	12
Can your system maintain system pressure either by backup power or by storage during power outages of 2 hours or less?	Yes
Is your backup power system automatic or manual start?:	Manual Start

COMMENTS:

## 17. WATER CONSERVATION AND DROUGHT PREPAREDNESS

Date of your revised Drought Preparedness Plan, if any:	08/20/2014
If you experienced water shortages in 2016, please estimate the amount of shortfall in millions of gallons:	
Did drought conditions cause you to activate emergency standby wells in 2016?	No
Do you project water shortages in the current calendar year?	No
Did you implement NEW water conservation measures in 2016?	No
If you implemented NEW water conservation measures in 2016, please estimate how much water was conserved in millions of gallons: (MG) % reduction in demand	
Do you anticipate having to go to mandatory rationing in the upcoming year?	No
Do you routinely monitor the static water levels in your wells?	Yes
Do you routinely monitor the pumping water levels in your wells?	Yes
Are these levels recovering, declining or steady?:	Recovering

Please list any other long term actions you are considering or planning.

Identify the method your water system uses to (Check as applicable)  
discourage excessive water use in support of  Rate structure (e.g., block tiers, water budgets, or rate surcharges above SB 814 (2016) - Drought: excessive water use: base rates for excessive water use)  
urban retail water suppliers:  Excessive water use ordinance, rule, or tariff condition

# State Waterboard 2017 LWS EAR

You were approved for application 407374 on 10/05/2018 15:39:44

[Return to Home \(/PwsUser\)](#)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## LARGE WATER SYSTEM 2017 ANNUAL REPORT TO THE DRINKING WATER PROGRAM FOR YEAR ENDING DECEMBER 31, 2017 *[Section 116530 Health & Safety Code]*

WATER SYSTEM INFORMATION	
Water System No.:	CA3310022
Water System Name:	LAKE HEMET MWD
Water System Ownership (See descriptions below):	<input type="radio"/> --Pick one-- <input type="radio"/> Local Government <input type="radio"/> State or Federal Government <input type="radio"/> Privately owned, PUC-regulated, for profit water company <input type="radio"/> Privately owned, non-PUC-regulated (Community Water System) <input type="radio"/> Privately owned Mutual Water Company or Association <input type="radio"/> Privately owned business (non-community)
Physical location: (address line 1, address line 2, city, zip) Note: <b>NO</b> P.O. Box	26385 Fairview Ave. HEMET 92544
General Office Phone: (2017LWSHelp.htm#GeneralOfficePhone) (with area code)	YY
Web site address:	YY

BOXES COLORED YELLOW ARE MANDATORY QUESTIONS AND MUST BE ANSWERED TO COMPLETE THIS REPORT

Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

COMMUNITY WATER SYSTEMS ONLY

Your water system classification is:

IF YOU ARE NOT A COMMUNITY WATER SYSTEM, SKIP THIS SECTION.

**CERTIFICATION FOR REDUCTION OF ANNUAL FEES FOR PUBLIC WATER SYSTEMS SERVING A DISADVANTAGED COMMUNITY (DAC)** 

(2017LWSHelp.htm#DAC)

DAC CheckBox By checking this box, you are a community water system who would like to request a fee reduction and is serving a DAC as defined in Title 22, Division 4, Chapter 14.5, section 64300 of the California Code of Regulations OR has previously submitted documentation to the State Water Resource Control Board certifying that you are serving a DAC.

To request a DAC fee reduction


Click [HERE](https://www.waterboards.ca.gov/resources/fees/drinking_water/docs/dac_certification_form_upload_instruction.pdf) (https://www.waterboards.ca.gov/resources/fees/drinking\_water/docs/dac\_certification\_form\_upload\_instruction.pdf) for instructions on how to upload your completed DAC certification form. To upload a DAC Certification Form, click


No file chosen

If you have questions about completing this section of the report, please contact the Program Liaison Unit at DDW-PLU@waterboards.ca.gov or call (916) 449-5158.

0%

REPORT SUBMITTED BY Name:  Title:  Work phone:  Cell phone:  Email address:

 **Please be aware that all comment boxes throughout this electronic annual report will be made publicly available WITH THE EXCEPTION of the comment box below. Only Waterboard staff and other people with your water system's DRINC login credentials will have access to this comment box. You are encouraged to provide any comments that you believe may help improve this annual report process.**

**PRIVATE COMMENTS:**  (2017LWSHelp.htm#Comments)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 1. Public Water System Contacts (2017LWSHelp.htm#PublicWSContacts)



Click here (ContactHelp.htm) to learn how to Modify, Add and Delete Contacts in the table below.

**IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.**

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.

PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank.

Only the BUSINESS phone type will appear in Drinking Water Watch (<https://sdwis.waterboards.ca.gov/PDWW/>), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

NAME, TITLE & ADDRESS	PHONE TYPE  (2017LWSHelp.htm#PhoneTypes)	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply)  (2017LWSHelp.htm#ChangeContactType)	
FREEMAN, MITCH	Business	951-658-3241	MFreeman@lhmwd.org	<input type="checkbox"/> Contact1 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
SUPERVISOR WATER/SEW	Facsimile	951-766-7031	YY	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave.	Mobile	951-956-4836		<input checked="" type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
HEMET CA 92544	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
GOW, MIKE	Business	951-658-3241	MGow@lhmwd.org	<input type="checkbox"/> Contact2 Delete	<input type="checkbox"/> Operator
	Home	YY		<input checked="" type="checkbox"/> Administrative	
GENERAL MANAGER/ENGINEER	Facsimile	YY	YY	<input checked="" type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave.	Mobile	951-230-5491		<input type="checkbox"/> Designated Operator In Charge	<input checked="" type="checkbox"/> Water Quality
HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Owner	<input checked="" type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
FRANKFORTER, KRISTEN	Business	951-658-3241	KFrankforter@lhmwd.org	<input type="checkbox"/> Contact3 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
WATER QUALITY TECH	Facsimile	951-766-7031	YY	<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave.	Mobile	310-706-8547		<input type="checkbox"/> Designated Operator In Charge	<input checked="" type="checkbox"/> Water Quality
HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
AGUILAR, KATHLEEN	Business	951-658-3241	kaguilar@lhmwd.org	<input type="checkbox"/> Contact4 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
EXEC. TREASURER/DISTRICT SECRETARY	Facsimile	951-766-7031	YY	<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency

P.O. Box 5039 26385 Fairview Ave	Mobile	951-533-6860		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY	YY	<input type="checkbox"/> Contact5 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
YY YY	Mobile	YY	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY	YY	<input type="checkbox"/> Contact6 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
YY YY	Mobile	YY	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Contact6 Water Quality
YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY	YY	<input type="checkbox"/> Contact7 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
YY YY	Mobile	YY	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY	YY	<input type="checkbox"/> Contact8 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
YY YY	Mobile	YY	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal



				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXX@XXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999 YY	XXXXX@XXXXX.XXX	<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXX@XXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999 YY	XXXXX@XXXXX.XXX	<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXX@XXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999 YY	XXXXX@XXXXX.XXX	<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXX@XXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999 YY	XXXXX@XXXXX.XXX	<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
--Contact Name--	Business	(999) 999-9999		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999	XXXXX@XXXXX.XXX	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999 YY	XXXXX@XXXXX.XXX	<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY

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## 2. POPULATION SERVED

Permanent population or number of long-term residents*:	50001
---------------------------------------------------------	-------

\*Long-term resident means someone who resides within the water system service area for more than half of the year.

Method used to determine population:	<input type="radio"/> --Pick one-- <input type="radio"/> Most recent United States census data <input type="radio"/> Multiplied number of service connections by 3.3 <input type="radio"/> Determined total number of dwelling units and multiplied by 2.8 <input type="radio"/> Other
--------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

If permanent population is based on "Other", identify the methods or sources of how it was estimated::
<u>Determined using 2010 Census. LHMWD is a D-5 System.</u>

Seasonal Maximum Population (If applicable):	YY
----------------------------------------------	----

Provide season (2017LWSHelp.htm#Season) :

Begin Date		End Date	
MM	DD	MM	DD
01	01	12	31

List the names of communities served by the system identifying both incorporated and unincorporated areas:
<u>Hemet, San Jacinto, Valle Vista</u>

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY
-------------------------------------------------------------------------------------------

Intro    Contacts    Population    Connections    Sources    Water Supplied    Water Rates and Deliveries    Water Quality    Backflow    CCR

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**3. NUMBER OF SERVICE CONNECTIONS** (as of December 31, 2017)

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:	CA3310022
------------------------------------------------------------------------------------------	-----------

The total number of Service Connections as of December 31, 2017 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
<b>Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward "service connections" for compliance purposes.</b>						
<u>Single-family Residential:</u> single family detached dwellings	0	13201	13201	0	0	0
<u>Multi-family Residential:</u> Apartments, condominiums, town houses, duplexes and trailer parks	0	486	486	0	0	0
<u>Commercial/Institutional:</u> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels, churches	0	447	447	0	0	0
<u>Industrial:</u> All manufacturing	0	4	4	0	0	0
<u>Landscape Irrigation:</u> Parks, play fields, cemeteries, median strips, golf courses	0	65	65	0	0	0
<u>Agricultural Irrigation:</u> Irrigation of commercially-grown crops	0	49	49	0	0	0
<b>Total Active Connections*</b>	0	14252	14252	0	0	0

\*Calculated field  
Unneeded recalc button

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*

<u>Other:</u> Fire suppression, street cleaning, line flushing, construction meters, temporary meters	<input type="text" value="0"/>	<input type="text" value="15"/>	<input type="text" value="15"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
-------------------------------------------------------------------------------------------------------------	--------------------------------	---------------------------------	---------------------------------	--------------------------------	--------------------------------	--------------------------------

B. Number of Inactive Connections (all types)  Include only service connections that have been physically disconnected (e.g, meter removed) from the water system. All other service connections should be considered as "Active."	<input type="text" value="20"/>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------

C. Number of NON-residential customers required to have dedicated outdoor irrigation meters (excluding agricultural connections)  (2017LWSHelp.htm#CONNECTIONS)	<input type="text" value="0"/>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------

**COMMENTS (Note: Comments will be made publicly available):** (2017LWSHelp.htm#Comments)

Intro    Contacts    Population    Connections    Sources    Water Supplied    Water Rates and Deliveries    Water Quality    Backflow    CCR

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#### 4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES

Type	Total No. Approved (by permit)	Total No. New/ Added in 2017	Total No. Inactivated in 2017	Total No. Destroyed in 2017
Active Groundwater Intakes (Wells)  (2017LWSHelp.htm#AGI)	<input type="text" value="10"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Active Surface Water Intakes (Raw)  (2017LWSHelp.htm#ASWI)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Active Purchased Water (GW) Connections  (2017LWSHelp.htm#APWGC)	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Active Purchased Water (SW) Connections  (2017LWSHelp.htm#APWSWC)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Standby Sources <sup>1</sup> (2017LWSHelp.htm#STANDBYSOURCES)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Emergency Interconnections	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Inactive Sources <sup>2</sup>	<input type="text" value="4"/>		<input type="text" value="0"/>	<input type="text" value="0"/>

<sup>1</sup>If a standby source (2017LWSHelp.htm#STANDBYSOURCES) was used in 2017, provide the following information.

--Pick one--

Are your water sources metered?  Yes

No

Name of the Standby Source used in 2017:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was the Division of Drinking Water notified? (Y/N)	Describe the reason the Standby Source was used:
------------------------------------------	--------------------------------------------------	--------------------------------	----------------------------------------------------	--------------------------------------------------

<sup>2</sup>Inactive sources are not approved as sources of supply and must be physically disconnected or similarly isolated.

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY

Intro    Contacts    Population    Connections    Sources    Water Supplied    Water Rates and Deliveries    Water Quality    Backflow    CCR

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### 5. WATER PRODUCED, PURCHASED AND SOLD

The **Maximum Day** is the day during 2017 with the highest total water usage. Provide the *date* for that day in Column B, then complete Columns C, D and E, indicating how much of the water on that day was from each source.

Units of Measure for this table:

- Pick one--
- Gallons
- Million Gallons
- Acre-feet (AF)
- 100 cubic feet

Volumes are based on:

- Pick one--
- METERED VOLUMES
- ESTIMATED VOLUMES

A	B	C	D	E	F	G	H	I
	<b>Potable Water</b>						<b>Non-potable (exclude recycled)</b>	<b>Recycled</b>
	<b>Date/ Month</b>	<b>01-07</b>	33	YY	YY	33		
January		353.861	0	0	353.861	0	97.35	0
February		315.257	0	0	315.257	0	350.399	0
March		468.23	0	0	468.23	0	397.129	0
April		574.861	0	53.7534	628.6144	0	603.755	0
May		660.018	0	60.8774	720.8954	0	790.134	0
June		744.705	0	89.5674	834.2724	0	951.95	0
July		799.493	0	119.1639	918.6569	0	1108.59	0
August		805.743	0	78.0347	883.7777	0	1246.121	0

September	768.383	0	17.7927	786.1757	0	1086.563	0
October	727.546	0	0	727.546	0	749.037	0
November	607.863	0	0	607.863	0	599.519	0
December	597.824	0	0.0543	597.8783	0	578.68	0
Annual Total*	7423.784	0	419.2438	7843.0278	0	8559.227	0
Percent Treated <sup>4</sup>	0						

PWS = Public Water System

\*Calculated field

Non-potable = water supplies, except recycled water, that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation

Recycled = domestic wastewater which as a result of treatment is suitable for uses other than potable use such as irrigation or toilet flushing

<sup>1</sup>Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

<sup>2</sup>Do not include raw water purchased; report only volume of water that was treated.

<sup>3</sup>(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. Total water production includes water that is sold to another water system. To update, click below

<sup>4</sup>This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection and fluoridation.


<sup>5</sup>If water was **Purchased** from or **Sold** to another PWS, complete the table below:

Specify whether water was *Purchased* or *Sold*~Name of PWS

Specify whether water was Purchased or Sold	Name of PWS
Purchased	Eastern Municipal Water District

If recycled water was *supplied to your customers*, complete the table below: Specify the level of treatment (e.g., tertiary, disinfected secondary)~Name of Recycled Water supplier

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier
N/A	

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY

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- Finalize

## 6a. WATER RATES

If you have questions about completing this section of the report, please contact [Kathy.Frevert@Waterboards.ca.gov](mailto:Kathy.Frevert@Waterboards.ca.gov) (mailto:Kathy.Frevert@Waterboards.ca.gov), 916-322-5274 or [Mary.Yang@Waterboards.ca.gov](mailto:Mary.Yang@Waterboards.ca.gov) (mailto:Mary.Yang@Waterboards.ca.gov), 916-322-6507.

### Residential Water Rates



Indicate the type of residential water rate structure (2017LWSHelp.htm#ResidentialRates) used by your water system:

- Pick one--
- Flat Base Rate
- Uniform Usage Rate
- Variable Base Rate
- Variable Usage Rate
- Flat Base Rate + Uniform Usage Rate
- Flat Base Rate + Variable Usage Rate
- Variable Base Rate + Variable Usage Rate
- Allocation Based
- Other Rate Structure (specify your rate structure in the box for comments)
- We Do Not Charge A Water Rate (explain below)

If your water system doesn't have rates, explain why:

- Pick one--
- Supplier is educational facility with its own water source
- Supplier is an institutional facility with its own water source
- Supplier is business with its own water source
- Supplier is park or recreational facility with its own water source
- Other (explain in comment box below)

Comments on rate structure:

What is your billing frequency?	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input checked="" type="radio"/> monthly</li> <li><input type="radio"/> bi-monthly</li> <li><input type="radio"/> quarterly</li> <li><input type="radio"/> annually</li> <li><input type="radio"/> other</li> </ul>
---------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

If tiered, what is the number of tiers?  (2017LWSHelp.htm#TR)	<input type="radio"/> --Pick one-- <input type="radio"/> Not Tiered <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7
Units of Measure (UOM) for this table:	<input type="radio"/> --Pick one-- <input type="radio"/> Gallons (Gal) <input type="radio"/> Hundred Cubic Feet <input type="radio"/> Thousand Gallons <input type="radio"/> Million Gallons <input type="radio"/> Acre Feet <input type="radio"/> Not Applicable

**Residential Water Rates** (2017LWSHelp.htm#SingleFamily)



Flat Base Rate

Tier Rate Structure level 1

Tier Rate Structure level 2

Tier Rate Structure level 3

Tier Rate Structure level 4

Tier Rate Structure level 5

Tier Rate Structure level 6

Tier Rate Structure level 7

Comments:

Date of most recent update to the rate structure:   
 (2017LWSHelp.htm#Dates)MM/DD/YYYY

Describe the changes that were made in the update:

**Residential service connections**

Select the most common residential meter size:

a. What is the service connection fee for single-family new construction based on the most common meter size listed above)?

(2017LWSHelp.htm#ResServiceConnections)

b. What is the connection fee for a single-family existing home based on the most common meter size indicated above?

(2017LWSHelp.htm#ResServiceConnections)

c. What is the connection fee for multi-family new construction based on the most common meter size indicated above?

(2017LWSHelp.htm#ResServiceConnections)

**Single-family**

Upper level of water volume Cost for each Tier in UOM provided

NA

7

13

25

38

397

0

0

YY

07/01/2017

CPI Increase 2.4%

**Multi-family**

Upper level of water volume Cost for each Tier in UOM provided

N/A

1.980

2.025

2.145

2.265

2.499

0

0

N/A

Max level in each

Tier per unit

N/A

N/A

N/A

0

0

N/A

1.98

2.025

2.145

2.265

2.499

0

0

- Pick one--
- 3/4 inch
- 5/8 inch
- 1 inch
- other
- not applicable




d. Include your webpage on residential water rates and service fees, if applicable:

[www.lhmwd.org](http://www.lhmwd.org)

Comments:

Connection fee based on meter size

Date of most recent update to the new connection fee: 

(2017LWSHelp.htm#Dates)MM/DD/YYYY

07/16/2015



Check items included in new residential connection fees:

<input type="checkbox"/>	Existing infrastructure buy-in (e.g., water treatment/ conveyance/sewage treatment )
<input checked="" type="checkbox"/>	Upgrades to infrastructure (seismic retrofits, pipe replacements, etc.)
<input type="checkbox"/>	Storm water management system
<input type="checkbox"/>	Debt service charge
<input checked="" type="checkbox"/>	Development of new water supplies
<input type="checkbox"/>	Other
Comment:	YY

- Pick one--
- 3/4 inch
- 5/8 inch
- 1 inch
- 1.5 inch
- 2 inch
- other
- not applicable

Select the most common non-residential meter size:

Complete the table below providing specific water rates applied to your **non-residential** customers:

Connection Type	FLAT BASE RATE (FBR)	If FBR + UUR, what is the volume allowed before UUR applies	UNIFORM USAGE RATE (UUR)	VARIABLE BASE RATE (provide range) (VBR)		VARIABLE USAGE RATE (provide range) (VUR)	
	\$ (Base)	HCF  (2017LWSHelp.htm#HCF)	\$ per HCF	\$ Low	\$ High	\$ per HCF Low	\$ per HCF High
NON-RESIDENTIAL  (2017LWSHelp.htm#ComInstit)							
Commercial/Institutional	0	0	0	30.91	123.35	2.38	3.46
Industrial	0	0	0	30.91	123.35	2.38	3.46
Landscape Irrigation	0	0	0	30.91	123.35	2.38	3.46
Agricultural Irrigation	0	0	0	30.91	1974.00	1.41	1.88
Other	YY	YY	YY	YY	YY	YY	YY


## AFFORDABLE DRINKING WATER

**For each amount of water delivered to a single-family residential customer shown below, what is charged (in dollars) to the customer?**




For each of the three water volumes shown below, provide what would be the monthly water bill for a single-family residential customer. Enter the monthly


Water Charges and Other Charges for each water volume. For example, if a single-family customer used 12 HCF in a month, the total bill would include water charges for using 12 HCF and other charges that are added to the bill. Other charges may include property taxes, fire suppression, waste water, etc., which are determined locally. Click the "Update Totals" button to automatically add the charges together to show a Total Monthly Water Bill that a residential customer would pay when its household used the specified amount of water.

**a. 6 HCF**  (2017LWSHelp.htm#A4)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	45.19	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	30.60	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	75.79	Dollars/month

**b. 12 HCF**  (2017LWSHelp.htm#A4)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	59.87	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	30.60	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	90.47	Dollars/month

**c. 24 HCF**  (2017LWSHelp.htm#A4)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	92.03	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	30.60	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	122.63	Dollars/month




**SHUT-OFFS**  (2017LWSHelp.htm#Shutoffs)

1. How many accounts for residential service connections had their water shut off once during the year of 2017 for delinquent payments?


<u>Single-Family Accounts</u>	0
<u>Multi-family Accounts</u>	0
<u>Total*</u>	0

2. How many accounts for residential service connections had their water shut off more than once during 2017 for delinquent payments?

<u>Single-Family Accounts</u>	0
<u>Multi-family Accounts</u>	0
<u>Total*</u>	0

3. What is the residential reconnection fee to restore drinking water service due to delinquent payments?  (2017LWSHelp.htm#ResServiceConnections)

<u>Single-Family Accounts</u>	70
<u>Multi-family Accounts</u>	70
<u>Total*</u>	140

4. What was the median duration of the shut-offs (in days) for continuously occupied residential service accounts?  (2017LWSHelp.htm#ShutoffDuration)

<u>Single-Family Accounts</u>	0
<u>Multi-family Accounts</u>	0
<u>Total*</u>	0

5. If you offer an extended repayment or other customer payment assistance plan, how many continuously occupied residential customer accounts participated?

<u>Single-Family Accounts</u>	3391
<u>Multi-family Accounts</u>	0
<u>Total*</u>	3391

How many of the continuously occupied residential accounts were shut off at least once during calendar year 2017 and were enrolled in an extended repayment plan or other customer payment assistance plan at the time of the service disconnection?

<u>Single-Family Accounts</u>	293
<u>Multi-family Accounts</u>	0
<u>Total*</u>	293

## Affordable Drinking Water Assistance

Do you provide options for low-income assistance?  --Pick one--  
 Yes  
 No

If yes, how was the program funded?

YY

How much funding is allocated to the program annually?

YY

If yes, how many residential accounts receive the low-income subsidy?

YY

Who is eligible for drinking water assistance? Check those that are eligible:

- Disabled
- Low Income Families
- Seniors
- Special Medical Need
- Other Please describe:

YY

## 6b. WATER DELIVERIES

--Pick one--

Gallons

Units of Measure (UOM) for this table:  Million Gallons

Acre-feet (AF)

100 cubic feet

Provide monthly **metered** water deliveries in the table below.

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/ Institutional	Industrial	Landscape Irrigation	Other	Total Urban Retail <sup>1*</sup>	Agricultural	Other PWS
Check if Recycled Water is included:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
January	118665	20859	11354	15	1844	0	152737	736	0
February	100904	18091	10968	14	1000	0	130977	10694	0
March	120282	20041	12537	23	1457	0	154340	158650	0
April	156853	18951	19153	15	2688	0	197660	260528	0
May	201380	20072	25417	17	4912	0	251798	326918	0
June	268779	26913	33863	26	7391	0	336972	397851	0
July	291450	23788	34770	26	8200	0	358234	493552	0
August	280193	27002	35946	19	8510	0	351670	476363	0
September	267780	24884	34568	20	7417	0	334669	427642	0
October	226227	23933	29140	27	6837	0	286164	374760	0

November	217199	22909	25571	30	5935	0	271644	282617	0
December	185864	23134	20493	14	4354	0	233859	263616	0
Total*	2435576	270577	293780	246	60545	0	3060724	3473927	0

COMMENTS:  (2017LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- CCR
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 7. WATER QUALITY

Date of Emergency Notification Plan:	YY
Is the Emergency Notification Plan up to date?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No

## DIRECT ADDITIVES

Pursuant to Section 64590, Title 22 of the California Code of Regulations, (effective January 1, 1994), all chemicals or products, including chlorine, added directly to the drinking water as part of a treatment process must meet the ANSI/NSF Standard 60. Please complete the following table for each chemical used by this water system. If you are not sure whether a chemical you are using meets this standard, contact the manufacturer or distributor of the chemical.

If you do not use any direct additives, put "NONE" in **each** column of the first row.

Name of Chemical	Name of Manufacturer	Purpose of using chemical	Chemical is ANSI/NSF Standard 60 certified (Y/N)	Use initiated in 2017 (Y/N)
Calcium Hypochlorite	Environmental Compliance Resources	Precautionary Disinfection	Y	N

## INDIRECT ADDITIVES

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.




Does your water system have procedures to ensure all future equipment and materials meet this standard?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
---------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize


## 8. CROSS-CONNECTION CONTROL (2017LWSHelp.htm#CCC)


	Total Number in System in 2017 <sup>1</sup>	Number Installed in 2017	Number Tested in 2017 <sup>2</sup>	Number Failed in 2017	Number Repaired/ Replaced
Backflow Assemblies  (2017LWSHelp.htm#Backflow) on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	633	2	604	140	148
Backflow Assemblies On-site but not on the Service Connections or Meter  (2017LWSHelp.htm#Backflow2) (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Air-gap Separation  (2017LWSHelp.htm#AirGap)	0	0			

Notes:

<sup>1</sup> **Total Number in System in 2017** – Total number of active Backflow Prevention Assemblies including new devices installed in 2017, but excluding inactive devices.

<sup>2</sup> **Number Tested in 2017** – includes all active devices that were tested in 2017 and either passed or failed.

No. of <i>Inactive</i> Backflow Prevention Assemblies in water system in 2017  (2017LWSHelp.htm#Inactive):	30
Date of last cross-connection control survey done on the system: <u>If ongoing, enter the last day of the year, e.g., 12/31/2017</u>	06/20/2017
Cross Connection Control Program Coordinator	
Name:	Ross Detwiler
Certification Number:	10373
Business Phone:	951-658-3241 Ext. 252
Email Address:	rdetwiler@lhmwd.org
Certification or training received:	Cross Connection Control Specialist

Describe any cross-connection incidents  (2017LWSHelp.htm#CCI) that occurred during 2017:

<b>COMMENTS</b> (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 9. OPERATOR CERTIFICATION [?](#) (2017LWSHelp.htm#TipsOpCert)

A. Please list the State certified Water **Treatment Plant Operators** employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) [\(2017LWSHelp.htm#Chief\)](#).

Your Highest Treatment System Classification is:  [\(2017LWSHelp.htm#HTSC\)](#)

OPCERT CTO Check this box if your public water system has designated a Chief Treatment Operator.

Name of Chief Treatment Operator (First name Last name):

Grade of Chief Treatment Operator (1, 2, 3, 4 or 5):

Treatment Operator Number (4 or 5 digits):

Treatment Certification Expiration Date (MM/DD/YYYY):


Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Treatment Operator Number (4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
Mitchell J. Freeman	T4	C	12892	01/01/2019
Michael L. Booth	T2	S	16653	06/01/2019
Andrew C. Forst	T2	S	22114	07/01/2020
Michael A. Gow	T2	X	35672	12/01/2019
Richard D. Johnson	T2	S	16709	11/01/2016
Jeffrey S. McKee	T2	S	24740	08/01/2019
David J. Wilke	T2	S	23763	05/01/2019
Michael W. Mudge	T2	S	24668	01/01/2018
Gregory Bagwell	T1	S	24665	07/01/2017
Jeremy Unland	T1	S	34166	02/01/2018
Kenneth E. Squires	T1	S	30324	01/01/2018
Christopher M. Pillow	T1	S	35113	02/01/2019
Jorge Duran Mora	T2	S	38528	07/01/2019
Elliott Magdaleno	T1	S	38541	07/01/2019


<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

**Do your Chief and Shift Treatment Plant Operators have the minimum level required?**

- Pick one--
- Yes
- No
- No treatment facility except precautionary disinfection

Don't Know

B. Please list the State certified Water **Distribution System Operators** employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s)  (2017LWSHelp.htm#Chief).

Your Distribution System Classification is:   (2017LWSHelp.htm#DSC)

OPCERT CDO Check this box if your public water system has designated a Chief Distribution Operator.

Name of Chief Distribution Operator (First name Last name):

Grade of Chief Distribution Operator (1, 2, 3, 4 or 5):

Distribution Operator Number (4 or 5 digits):

Distribution Certification Expiration Date (MM/DD/YYYY):

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Distribution Operator Number (4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
Mitchell J. Freeman	D5	C	3479	06/01/2020
Richard D. Johnson	D5	S	6121	01/01/2020
Michael W. Mudge	D5	S	16712	05/01/2018
Andrew C. Forst	D5	S	9289	04/01/2018
William R. Carter	D5	S	25557	08/01/2018
Michael L. Booth	D4	S	6113	06/01/2018
Jeffrey S. McKee	D4	S	5905	03/01/2018
Dean M. Wade	D4	S	19099	07/01/2018
Greg Bagwell	D3	S	19094	01/01/2021
John A. Smith	D3	S	26893	10/01/2020
Kenneth K. Grant	D3	S	21358	06/01/2018
Eric M. Libeu	D3	S	30031	03/01/2019
Thomas L. Moses	D3	S	30032	05/01/2019
Matt Park	D3	X	30030	11/01/2019
Miguel J. Rodriguez	D3	S	30038	01/01/2018
Kenneth E. Squires	D3	S	32296	02/01/2018
Michael A. Gow	D2	X	4583	11/01/2020
Hector Martin Ambriz	D3	S	16770	01/01/2019
Ross W. Detwiler	D2	S	30039	01/01/2018
Ryan H. Merrick	D2	S	29019	10/01/2018
Christopher M. Pillow	D2	S	31407	08/01/2018
David J. Wilke	D3	S	10344	09/01/2019
Geoffrey P. Wolever	D2	S	16651	04/01/2020

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Distribution Operator Number (4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
Zeferino Fuentes	D2	S	33499	11/01/2020
Jeremy S. Unland	D2	X	39574	11/01/2020
Steve Gates	D2	S	46857	05/01/2019
Elliott M. Magdaleno	D3	S	39404	03/01/2019
Ernie Contreras	D1	S	36069	04/01/2018
James E. Geller	D1	S	31350	07/01/2018
Kristen Frankforter	D1	X	46043	05/01/2019
Justin Smith	D2	S	42332	10/01/2018
Jorge Duran Mora	D5	S	47339	10/01/2019
Jason Venable	D1	X	43229	11/01/2019

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

**Do your Chief and Shift Distribution System Operators have the minimum level required?**

- Pick one--
- Yes
- No
- Don't Know
- Not Applicable (transient non-community water system)

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY

**9. CONSUMER CONFIDENCE REPORT**  (2017LWSHelp.htm#CCR) (does not apply to Transient Noncommunity water systems)

THE 2017 CCR MUST BE DISTRIBUTED TO YOUR CUSTOMERS AND A COPY SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY JULY 1, 2018. IN ADDITION, PUBLIC WATER SYSTEMS THAT ARE ALSO REGULATED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION (PUC) MUST MAIL A COPY OF THEIR CCR TO THE PUC BY JULY 1, 2018.

CERTIFICATION MUST BE SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY OCTOBER 1, 2018, STATING THAT THE 2017 CCR HAS BEEN DISTRIBUTED TO CUSTOMERS AND THAT THE INFORMATION IS CORRECT.

The CCR guidance, CCR template, and the certification form can be obtained from the Division of Drinking Water web site at: [http://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/CCR.shtml](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)  
([http://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/CCR.shtml](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml))

Indicate the date your 2017 CCR was distributed or will be distributed to your customers:

06/30/2018 mm/dd/yyyy

**PUBLIC WATER SYSTEMS THAT SERVE 100,000 OR MORE PERSONS ARE REQUIRED TO POST THEIR CCR ON THE INTERNET.**



If your water system serves 100,000 or more persons, indicate the date the CCR was or will be posted to the Internet:

If applicable, please provide the URL link to the CCR posted on the Internet:

COMMENTS:  (2017LWSHelp.htm#Comments)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 10. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
  - Adding a new source
  - Changing the status of an existing source (for example, active to standby) or
  - Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
  - Design capacity
  - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2017 for which a permit was not obtained, please describe the improvements or modifications below.

Reline Upper Sky Crest Tank, replaced tank at McMillan Well, Re-drilling Well 8 (not completed) and Destroy Well 8

Indicate any planned improvements or modifications for 2020.

Replace Pipeline on Stetson between Hemet Street and Meridian.

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 11. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	7	8	1	Flushed water lines, flushed water heaters
Color	2	2	0	Flushed house plumbing
Turbidity	1	1	0	Air in water spoke on phone
Visible Organisms	0	0	0	YY
Pressure (High or Low)	2	2	0	Replaced Pressure Regulator
Water Outages <sup>1</sup>	0	0	0	YY
Illnesses (Waterborne)	0	0	0	YY
Other (Specify)	2	2	0	1-Hardness 1-Leak/Spoke to Customer & Dispatched Repair Crew
Total No. of Complaints*	14	15	1	

<sup>1</sup>These are customer complaints of a water outage and not necessarily the same as the water outages reported under "System Problems" in the Distribution Section of the EARDWP.


\*Calculated field

COMMENTS (Note: Comments will be made publicly available):  (2017LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- CCR
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 12. RECYCLED WATER USE (2017LWSHelp.htm#Recycled)

Do you have recycled water in your service area (provided by you or another utility)?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know
---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

Recycled Water (RW) Use Sites	Total No. of Approved Sites as of Dec. 31, 2017	No. of New Sites Approved in 2017	No. of Sites Proposed for 2020
Irrigation, Agriculture	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Irrigation, Landscape	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Industrial	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Dual-plumbed  (2017LWSHelp.htm#Dual) (In-building)	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Dual-plumbed (Single-family lot)	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Cooling Towers	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Other	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Total*	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Name of the recycled water coordinator:	<input type="text" value="YY"/>
Business Phone:	<input type="text" value="YY"/>
Email address:	<input type="text" value="YY"/>
How many inspections of recycled water use sites were conducted in 2017?	<input type="text" value="YY"/>
How many pressure/shutdown tests were performed in 2017?	<input type="text" value="YY"/>
Do all of your recycled water uses sites have an on-site supervisor?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
How many recycled water uses sites do not have an on-site supervisor?	<input type="text" value="YY"/>

<b>COMMENTS (Note: Comments will be made publicly available):</b>  (2017LWSHelp.htm#Comments) <input type="text" value="YY"/>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<a href="#">Intro</a>	<a href="#">Contacts</a>	<a href="#">Population</a>	<a href="#">Connections</a>	<a href="#">Sources</a>	<a href="#">Water Supplied</a>	<a href="#">Water Rates and Deliveries</a>	<a href="#">Water Quality</a>	<a href="#">Backflow</a>	<a href="#">CCR</a>	
<a href="#">Certification</a>	<a href="#">Improvements</a>	<a href="#">Complaints</a>	<a href="#">Recycled</a>	<a href="#">Treatment</a>	<a href="#">Distribution</a>	<a href="#">Emergency</a>	<a href="#">Conservation</a>	<a href="#">Climate Change</a>	<a href="#">LSLR</a>	<a href="#">Finalize</a>

## 13. SYSTEM OPERATION - TREATMENT

### A. GROUNDWATER TREATMENT *(respond only if groundwater treatment is provided, exclude chlorination treatment)*



Groundwater Treatment Plant Name	Treatment Process	Date of Operations Plan	Is Operations Plan Current? (Y/N)	Contaminant Removed
----------------------------------	-------------------	-------------------------	-----------------------------------	---------------------

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2017 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

**B. SURFACE WATER TREATMENT** (respond only if surface water treatment is provided)



Surface water Treatment Plant Name	Date of Operations Plan	Is Operations Plan Current? (Y/N)
------------------------------------	-------------------------	-----------------------------------

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2017 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

Date of current Emergency Disinfection Plan (EDP)*:	<input type="text" value="06/25/2015"/>
<i>*As required under Section 64660(c)(2). The EDP may be included in your water system's Emergency Response Plan or Operations Plan. If so, provide the Name and Date of those plans below:.</i>	
Name of Document that includes the Emergency Disinfection Plan:	<input type="text" value="Emergency plan for disinfection in Lake Hemet MWD System 3310022"/>
Date of document that includes the Emergency Disinfection Plan:	<input type="text" value="06/25/2015"/>
Date of last watershed sanitary survey report  (2017LWSHelp.htm#WSSR):	<input type="text" value="11/06/2017"/>
Date planned to complete next watershed sanitary survey report*:	<input type="text" value="11/01/2022"/>
<i>*As required under Section 64665, each watershed sanitary survey shall be updated at least every 5 years.</i>	

**COMMENTS (Note: Comments will be made publicly available):** (2017LWSHelp.htm#Comments)


Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

**14. SYSTEM OPERATION – DISTRIBUTION**

**A1. DEAD-END FLUSHING PROGRAM**

Total No. in System	No. with Blowoffs	No. Flushed in 2017	Frequency of Flushing
457	256	11	After repairs and when customer complains

## A2. ALL FLUSHING OPERATIONS

Units of Measure for total volume reported below:	<input type="radio"/> --Pick one-- <input checked="" type="radio"/> Gallons <input type="radio"/> Million Gallons <input type="radio"/> Acre-feet (AF) <input type="radio"/> 100 cubic feet
Total Volume in units of measure selected above; include all types of flushing, not just dead-end flushing:  (2017LWSHelp.htm#SB555)	98.325

## B. VALVE EXERCISE PROGRAM

Size Range of Valves	Total No. in System	No. Exercised in 2017	Frequency of Valve Exercising
3'-18'	4684	154	10 yrs+


## C. STORAGE TANK/RESERVOIR INSPECTION/CLEANING PROGRAM

(Do not include pressure tanks)

Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection	Date of last cleaning	Date re-lined or coated	Corrosion protection(*)	Material of construction
Marshall	2	1990	03/20/2018	03/20/2018	4/13/2016	Lake #1	2
1972	05/18/2016	05/18/2016	2003	Lake #2	2	1977	04/29/2015
04/29/2015	04/20/2013	Cornell	2	1969	03/27/2018	03/27/2018	05/20/2012
Little Lake	1	1956	05/12/2014	05/12/2014	03/25/2010	Park Hill	2
1996	03/29/2018	03/29/2018	1996	Bee Canyon	0.5	1982	04/27/2017
04/27/2017	2001	Section 13	0.04	1970	04/30/2015	04/30/2015	12/2005
Cunningham	0.12	1983	03/27/2018	03/27/2018	02/2001	Sprague Heights	0.195
Unk	05/19/2016	05/19/2016	2003	Upper Skycrest	0.3	1967	03/28/2017
03/28/2017	03/28/2017	Middle Skycrest	0.06	03/10/2010	04/30/2015	04/30/2015	2010
Pachea Trial	0.06	2003	04/27/2017	04/27/2017	2003	Pipeyard	0.02
Unk	01/12/2016	01/12/2016	Unk	W-14	0.04	Unk	03/22/2018
03/22/2018	Unk	W-10	0.02	Unk	11/2014		Unk

Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection	Date of last cleaning	Date re-lined or coated	Corrosion protection(*)	Material of construction
W-2	0.02	Unk	10/13/2014	10/13/2014	Unk	M&M	0.04
Unk	05/02/2018	05/02/2018	Unk	McMillan	0.02	05/01/2017	05/2017
05/2017	05/2017	Webcor	0.02	Unk	01/14/2013	01/14/2013	Unk

### D. SYSTEM PROBLEMS

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	115	115	0	Repaired or Replaced Service
Main Breaks/Leaks	63	63	0	Repaired Main
Water Outages  (2017LWSHelp.htm#WaterOutages)	9	9	0	From Repair Efforts
Boil Water Orders	0	0	0	YY
Total*	187	187	0	

**SECTION E AND F BELOW ARE ONLY FOR RETAIL COMMUNITY WATER SYSTEMS WITH >3,000 SERVICE CONNECTIONS OR SUPPLY >3,000 AF/YEAR**



If you have questions about completing this section of the report, please contact [Kartiki.Naik@waterboards.ca.gov](mailto:Kartiki.Naik@waterboards.ca.gov) or call (916) 319-9468.

The information in the section below will be used to help develop water loss performance standards for urban retail water suppliers, as required by SB 555 (2015).

### E. INFRASTRUCTURE AND PRESSURE MANAGEMENT (2017LWSHelp.htm#IPM)


#### Pipe Material in Distribution System

1. Which materials does your distribution system pipe consist of? Please check all that apply:


- Plastic
- Steel
- Cast Iron
- Galvanized Iron
- Ductile Iron
- Cement Concrete
- Asbestos Cement

- Clay
- Wood

Pipeline Material	Percentage of distribution pipe system composed of the materials selected above	Average Age (in years)
Plastic	27	10
Steel	71.47	50
Cast Iron	0	0
Galvanized Iron	0	0
Cement Concrete	0	0
Asbestos Cement	1.53	60
Clay	0	0
Wood	0	0
If other, specify below:	0	0
YY		

2. Percentage of distribution system composed of pipes with a nominal diameter  (2017LWSHelp.htm#NominalDiameter) larger than 18 inches YY %

**Pressure Management**

1. Has your system used Pressure Managed Areas  (2017LWSHelp.htm#PressureManagedAreas) over the past 3 years for the purpose of real loss reduction?

If yes, please check the box.

If not, proceed to question 3. Comments can be provided in question 3.

- a) For what percentage of your distribution pipe system were these pressure managed areas established? YY %
- b) What was the average pressure reduction over these pressure managed areas? YY psi
- c) What was the expenditure in establishing and operating these pressure managed areas for your distribution system? (Amount in \$) YY

2. Did you measure the real loss reduction achieved through pressure management?

If yes, please check the box.


If not, proceed to question 4. Comments can be provided in question 3.

a) Specify the average annual real loss reduction achieved over the past 3 years due to these pressure managed areas YY

- Pick one--
- Planning
- Piloted
- Full-scale
- Not Considered
- Not Tracked

b) Specify the Unit of Measure for the average annual real loss reduction reported in Question 2a)

3. Comments on pressure managed areas in your system: YY

4. Specify the minimum operating pressure, averaged across your distribution system, required to maintain minimum pressure requirements at critical pressure points  (2017LWSHelp.htm#CriticalPressPts) in your distribution system as per the California Waterworks Standards (California Code of Regulations, Title 22, Division 4, Chapter 16, Article 8, §64602). 36.2 psi

5. Comments on the minimum operating pressure in Question 4 YY

**F. REAL LOSS REDUCTION MEASURES**

1. Has your system implemented real loss reduction measures  (2017LWSHelp.htm#LossMeasures) (excluding pressure reduction) in 3 years?

If yes, please check the box **and proceed to a)**

If not, skip questions (a) through (c) below.


a) If yes, please specify the total real loss reduction achieved over the past 3 years using the real loss reduction measures considered above.

- Pick one--
- Gallons
- Million Gallons
- Acre Feet
- 100 Cubic feet

b) Specify the Unit of Measure for the average annual real loss reduction reported in Question 1a)

c) What was the expenditure in implementing the above real loss reduction measures for your distribution system? (Amount in \$)

2. Comments on real loss reduction measures employed

**COMMENTS:**  (2017LWSHelp.htm#Comments)

## 15. EMERGENCY PREPAREDNESS AND RESPONSE

### A. EMERGENCY RESPONSE PLANS


PUBLIC WATER SYSTEMS WITH AT LEAST 3,300 OR MORE PERSONS SHOULD REVIEW AND REVISE THEIR EMERGENCY RESPONSE PLAN TO ENSURE THAT THE PLANS ARE SUFFICIENT TO ADDRESS POSSIBLE DISASTER SCENARIOS.

Do you have an Emergency Response Plan (ERP) that addresses the procedures for the restoration of water service for your water system?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
Date of your current Emergency Response Plan:	<input type="text" value="07/05/2016"/>
Date ERP was last exercised with a tabletop or other activity:	<input type="text" value="10/19/2017"/>

### B. AUXILIARY POWER SUPPLY


Does your water system have backup power for:	
1. Sources:	<input type="radio"/> --Pick one-- <input type="radio"/> All <input type="radio"/> Some <input type="radio"/> None <input type="radio"/> Not Applicable






2. Pumping Stations:	<input type="radio"/> --Pick one-- <input type="radio"/> All <input type="radio"/> Some <input type="radio"/> None <input type="radio"/> Not Applicable
3. Water Treatment Plants:	<input type="radio"/> --Pick one-- <input type="radio"/> All <input type="radio"/> Some <input type="radio"/> None <input type="radio"/> Not Applicable
If your system has backup power, how many times per year is it exercised?	12
Can your system maintain system pressure either by backup power or by storage during power outages of 2 hours or less?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
Is your backup power system automatic or manual start?:	<input type="radio"/> --Pick one-- <input type="radio"/> Automatic <input checked="" type="radio"/> Manual Start <input type="radio"/> Not Applicable
<b>COMMENTS (Note: Comments will be made publicly available):</b>  (2017LWSHelp.htm#Comments) YY	

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 17. WATER CONSERVATION AND DROUGHT PREPAREDNESS

Date of your revised Drought Preparedness Plan or Water Shortage Contingency Plan, if any:	08/20/2014
Units of Measure for this section:  (2017LWSHelp.htm#UOM)	<input type="radio"/> --Pick one-- <input type="radio"/> Gallons <input type="radio"/> Million Gallons <input checked="" type="radio"/> Acre-feet(AF) <input type="radio"/> 100 cubic feet
If you experienced water shortages in 2017, please estimate the amount of shortfall in units selected for this section:	YY

<p>How many water-shortage response stages are in your drought plan? For “non-applicable”, enter zero.</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> 0</li> <li><input type="radio"/> 1</li> <li><input type="radio"/> 2</li> <li><input type="radio"/> 3</li> <li><input type="radio"/> 4</li> <li><input type="radio"/> 5</li> <li><input type="radio"/> 6</li> <li><input type="radio"/> 7</li> <li><input type="radio"/> 8+</li> </ul>
<p>Did drought conditions cause you to activate emergency standby wells in 2017?</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Not Applicable (no wells)</li> </ul>
<p>Do you project water shortages in the current calendar year?  (2017LWSHelp.htm#WaterShortages)</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul>
<p>Did you implement NEW water conservation measures in 2017?  (2017LWSHelp.htm#NewWaterConservationMeasure)</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul>
<p>If you implemented NEW water conservation measures in 2017, please estimate how much water was conserved  (2017LWSHelp.htm#EstimateWateConserved)</p> <p><input type="text"/> volume of water in units selected for this section</p> <p><input type="text"/> % reduction in demand</p>	
<p>Do you anticipate having to go to mandatory rationing in the upcoming year?</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul>
<p>Do you routinely monitor the <i>static</i> water levels in your wells?</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Not Applicable (no wells)</li> </ul>
<p>Do you routinely monitor the <i>pumping</i> water levels in your wells?</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Not Applicable (no wells)</li> </ul>

Are these levels recovering, declining or steady?:	<input type="radio"/> --Pick one-- <input type="radio"/> Recovering <input type="radio"/> Declining <input type="radio"/> Steady <input type="radio"/> Not Applicable (no wells)
----------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Please list any other long term actions you are considering or planning:

What steps have your system taken, if any, to implement current water efficient plumbing standards? (2017LWSHelp.htm#SB407)   
 (Check as applicable)

- Identify the method your water system uses to discourage excessive water use in support of SB 814 (2016) : (2017LWSHelp.htm#SB814)
- Rate structure (e.g., block tiers, water budgets, or rate surcharges above base rates for excessive water use)
  - Excessive water use ordinance, rule, or tariff condition
  - Not implementing
  - Not applicable: not an urban retail water supplier (2016LWSHelp.htm#SB814)

COMMENTS REGARDING SB 814: (2017LWSHelp.htm#SB814)

COMMENTS: (2017LWSHelp.htm#Comments)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 17. CLIMATE CHANGE ADAPTATION AND RESILIENCY FOR WATER UTILITIES

Per Waterboard Resolution 2017-0012, dated 3/7/17, water system inspections are required to address climate change impacts & concerns.

### ONLY FOR COMMUNITY WATER SYSTEMS

Your water system classification is:  (2017LWSHelp.htm#CCCommunityOnly)

If you have questions about completing this section of the report, please contact [Joseph.Crisologo@waterboards.ca.gov](mailto:Joseph.Crisologo@waterboards.ca.gov) or call (818) 551-2046.

<b>A. CLIMATE THREATS</b>
What climate-related impacts are of concern for your water system (check all that apply)?  (2017LWSHelp.htm#ClimateThreats)
<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Groundwater Depletion <input type="checkbox"/> Water Quality Degradation <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Sea Level Rise <input type="checkbox"/> Extreme Heat <input checked="" type="checkbox"/> Fire <input type="checkbox"/> Other <input type="checkbox"/> None or N/A
<b>B. SENSITIVITY AND MAGNITUDE OF IMPACTS</b>
Qualitatively assess climate change sensitivity of your facilities, and criticality or consequence of disruption. Consider identified climate threats using past experience, and expert judgement based on the magnitude of expected change and extreme events in the future. You do not need numeric answers. USEPA provides a risk assessment tool, called CREAT, to help utilities identify which environmental changes can impact water supply: <a href="https://www.epa.gov/crwu/build-resilience-your-utility">https://www.epa.gov/crwu/build-resilience-your-utility</a> . ( <a href="https://www.epa.gov/crwu/build-resilience-your-utility">https://www.epa.gov/crwu/build-resilience-your-utility</a> ) More resources are available that may help you complete this section.  (2017LWSHelp.htm#SensiMagnitude)

<b>Drought   Groundwater Depletion</b>	Decreased water storage (low lake and reservoir levels)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Groundwater depletion (increased extraction, reduced groundwater recharge, etc.)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Change in seasonal runoff and/or loss of snowmelt	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Region relies on water diverted from the Delta, imported from the Colorado River, or other climate-sensitive area	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
<b>Water Quality Degradation</b>	Salt-water intrusion into aquifers	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Altered water quality during storm events (turbidity shifts, debris flows)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity

	<p>Surface water quality issues related to eutrophication, algal blooms, invasive species</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> High or Already Experiencing</li> <li><input type="radio"/> Medium Sensitivity</li> <li><input type="radio"/> None to Low Sensitivity</li> </ul>
<p><b>Flooding   Sea Level Rise</b></p>	<p>High flow events and flooding</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> High or Already Experiencing</li> <li><input type="radio"/> Medium Sensitivity</li> <li><input type="radio"/> None to Low Sensitivity</li> </ul>
	<p>Inundation due to sea level rise, high tides, and/or coastal storm surges</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> High or Already Experiencing</li> <li><input type="radio"/> Medium Sensitivity</li> <li><input type="radio"/> None to Low Sensitivity</li> </ul>
	<p>Aging flood protection infrastructure (levees), or insufficient impoundment capacity</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> High or Already Experiencing</li> <li><input type="radio"/> Medium Sensitivity</li> <li><input type="radio"/> None to Low Sensitivity</li> </ul>
<p><b>Extreme Heat</b></p>	<p>Peak demand volume surges (due to extreme heat, temperature trends, etc.)</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> High or Already Experiencing</li> <li><input type="radio"/> Medium Sensitivity</li> <li><input type="radio"/> None to Low Sensitivity</li> </ul>
	<p>Increases in agricultural water demand or energy sector needs</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> High or Already Experiencing</li> <li><input type="radio"/> Medium Sensitivity</li> <li><input type="radio"/> None to Low Sensitivity</li> </ul>

<b>Fire   Other Impacts</b>	Increased fire risk and altered vegetation, e.g., wildfires	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Disruption of power supply	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Other <input type="text" value="YY"/>	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity

**C. ADAPTATION MEASURES**

Identify measures to increase resiliency and reduce vulnerabilities based on identified water system sensitivities. Indicate status for all projects that your organization has completed or plans to implement to increase resiliency of the water system to climate change? Adaptation measures planned or achieved for reasons other than climate change should be put in the "Other" box along with the reason for the measure. USEPA's Adaptation Strategies Guide for Water Utilities provides examples of adaptation: <https://www.epa.gov/crwu/learn-how-plan-extreme-weather-events> (<https://www.epa.gov/crwu/learn-how-plan-extreme-weather-events>) (2017LWSHelp.htm#AdaptationMeasures)

Install new and deeper drinking water wells, or modify existing wells to increase pumping capacity	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Develop local supplemental water supply, enhanced treatment, or increased storage capacity (e.g. recycled water, storm runoff for groundwater recharge, desalination, new reservoir)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

Interconnection with other utilities (transfers, mutual aid agreements with neighboring utilities)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Relocate facilities, construct or install redundant facilities	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Modify facilities (e.g., install barrier or levee, raise a wall, seal a door, elevate construction)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Conservation measures (demand management, enhanced communication and outreach)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Fire prevention – brush management, partnerships	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

Alternative or backup energy supply	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
On-site energy generation	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Enhance monitoring program, budget for additional testing and treatment, chemicals	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Other <input type="text" value="YY"/>	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSSLR	Finalize

## 18. LEAD SERVICE LINE REPLACEMENT



### ONLY FOR COMMUNITY WATER SYSTEMS

Your water system classification is:

Section 116885 of the California Health and Safety Code, Lead Service Lines in Public Water Systems, added to the Health and Safety Code by Senate Bill 1398 (2016) and amended by Senate Bill 427 (2017), requires all community water systems (CWS) to compile an inventory of known partial or total lead service lines in use in its distribution system by July 1, 2017. All CWSs will need to provide DDW an inventory form through this 2017 electronic annual report



(eAR) explaining how the inventory was determined and the results. DDW is utilizing this 2017 electronic annual report (eAR) to gather and update this information.

**IMPORTANT:** In the 2017 electronic Annual Report, all CWSs were required to submit the lead service line inventory to the DDW. The INVENTORY TABLE below were PRE-FILLED with information provided in the 2017 eAR, please review the table below and take this opportunity to make changes and update your inventory. All pipe materials that does not apply to your system must not be left blank. You must enter zero, otherwise errors will be generated at the end of the eAR report.

The inventory must include all user service lines that are active and those that are reasonably expected to become active in the future. Also, Section 116885 requires that CWS identify areas that may have lead user service lines in use, and/or identify any areas within the CWS distribution system that the CWS cannot identify the material that is being used for the service line. If a CWS indicates the existence of lead user service lines or unknown material user service lines or lead/unknown fittings associated with user service lines, by July 1, 2020, the CWS will need to submit to DDW a timeline to replace all lead and unknown material user service lines. Please include the updated information on your user service line inventory below so DDW can track the progress of your system. For additional information, please visit

[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html)  
([https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html))

If you have questions about completing this section of the report, please contact [David.Pimentel@Waterboards.ca.gov](mailto:David.Pimentel@Waterboards.ca.gov) or call (916) 323-0572.

If your water system is a wholesaler and your system contain no user service lines, you are not required to complete this form: Please check this box:

Date lead service line inventory was completed (MM/DD/YYYY):

## A. User service line inventory:

"User service line" means the pipe, tubing, and fittings connecting a water main to an individual water meter or service connection.

Pipe Material	Estimated Number of Service Lines (Enter "0" if none)	Estimated Total Length of Service Lines (In feet), if applicable
<b>A. Lead</b>	<input type="text" value="0"/>	<input type="text" value="0"/>
<b>B. Unknown material</b>	<input type="text" value="0"/>	<input type="text" value="0"/>
C. Copper	<input type="text" value="10153"/>	
D. Cast iron (ductile pipe)	<input type="text" value="0"/>	
E. Ductile iron	<input type="text" value="0"/>	
F. Galvanized steel	<input type="text" value="1998"/>	
G. Polyvinyl chloride (PVC)	<input type="text" value="0"/>	
H. Polyethylene (PE)	<input type="text" value="0"/>	
I. High density polyethylene (HDPE)	<input type="text" value="1961"/>	
J. Polybutylene (PB)	<input type="text" value="0"/>	
K. Transite/asbestos cement	<input type="text" value="0"/>	
<b>L. Other materials not listed above:</b>		
Identify material 1	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Identify material 2	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Identify material 3	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Identify material 4	<input type="text" value="YY"/>	<input type="text" value="YY"/>
Total number of service lines inventoried* (calculated field)	<input type="text" value="14112"/>	
Total number of service connections from Section 3 of the EAR	<input type="text" value="14252"/>	

Fittings or fittings connecting a water main:	
M. <u>Lead fittings NOT</u> on a lead pipe(e.g., goosenecks, pigtails, and corporation stops)	0
N. <u>Lead fittings ON</u> a lead pipe (e.g., goosenecks, pigtails, and corporation stops)	0
O. <u>Fittings of unknown material</u> (e.g., goosenecks, pigtails, and corporation stops)	0
<b>Total number of lead service lines**</b> (calculated field)	0

**B. Method(s) used to prepare the lead service line inventory in Part A (check all that apply):**

- Tap Cards or tickets from initial service installation
- Plans from water main installation, rehabilitation, and replacement
- Records indicating when buildings were constructed
- Meter replacement records
- Distribution maps, drawings, or GIS
- Visual confirmation of pipe material by plumbers or utility crews during maintenance or installation activities
- Interviews with water system personnel and/or past employees
- Field investigations
- Other (describe below):

YY

**C. PRINT THIS INVENTORY FORM FOR YOUR SIGNATURE**

I certify under penalty of perjury under the laws of the State of California that the foregoing [including any uploaded documents] is true and correct to the best of my knowledge.

Signature:

Name: YY  
 Title: Mitchell J. Freeman  
 Phone number: 951-658-3241 Ext. 247  
 Date signed (MM/DD/YYYY): 05/17/2018  
 PWS Name: LAKE HEMET MWD  
 PWS No.: CA3310022

Print this completed form by clicking "Print" below, sign and scan. This is your certified form.

[Print \(PWSEarReport.aspx, SurveyID, PwsID, printable=yes, CurSectionID=19\)](#)

**D. UPLOAD SIGNED INVENTORY FORM AND MAP(S) IDENTIFYING AREAS WITH LEAD SERVICE LINES OR SERVICE LINES CONSTRUCTED OF UNKNOWN MATERIAL**

Click [HERE](#) () to upload the certified form if no lead service lines or service lines constructed of unknown material were identified.

OR

Click [HERE](#) () to upload the maps (only .shp, .kml or .kmz, and .pdf in order of preference) only if you have areas with lead service lines or service lines constructed of unknown material and upload the certified form.

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow	CCR	
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

**Disclosure: Be advised that Sections 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purposes of compliance may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that the violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of the violation, or be imprisoned in county jail not to exceed one year, or both the fine and imprisonment.**

[Back to top of page](#)

[Show as PDF \(/TakeSurvey/Summary?surveysTakenId=407374&showControls=True&asPDF=True\)](#)

[Back to Home \(/PwsUser\)](#)

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## State Waterboard 2018 LWS EAR

You were approved for application 414291 on 07/26/2019 14:08:16

[Return to Home \(/PwsUser\)](#)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

### LARGE WATER SYSTEM 2018 ANNUAL REPORT TO THE DRINKING WATER PROGRAM FOR YEAR ENDING DECEMBER 31, 2018 *[Section 116530 Health & Safety Code]*

WATER SYSTEM INFORMATION	
Water System No.:	CA3310022
Water System Name:	LAKE HEMET MWD
Water System Ownership (See descriptions below):	<input type="radio"/> --Pick one-- <input type="radio"/> Local Government <input type="radio"/> State or Federal Government <input type="radio"/> Privately owned, PUC-regulated, for profit water company <input type="radio"/> Privately owned, non-PUC-regulated (Community Water System) <input type="radio"/> Privately owned Mutual Water Company or Association <input type="radio"/> Privately owned business (non-community)
Physical location: (address line 1, address line 2, city, zip) Note: <b>NO</b> P.O. Box	26385 Fairview Ave. HEMET 92544
General Office Phone: (2018LWSHelp.htm#GeneralOfficePhone) (with area code)	YY
Web site address:	YY

BOXES COLORED YELLOW ARE MANDATORY QUESTIONS AND MUST BE ANSWERED TO COMPLETE THIS REPORT

#### Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

#### COMMUNITY WATER SYSTEMS ONLY

Your water system classification is:

IF YOU ARE **NOT** A COMMUNITY WATER SYSTEM, SKIP THIS SECTION.

**CERTIFICATION FOR REDUCTION OF ANNUAL FEES FOR PUBLIC WATER SYSTEMS SERVING A DISADVANTAGED COMMUNITY (DAC)** (2018LWSHelp.htm#DAC)

**DAC CheckBox** By checking this box, you are a community water system who would like to request a fee reduction and is serving a DAC as defined in Title 22, Division 4, Chapter 14.5, section 64300 of the California Code of Regulations OR has previously submitted documentation to the State Water Resource Control Board certifying that you are serving a DAC.

To request a DAC fee reduction

Click [HERE](https://www.waterboards.ca.gov/resources/fees/drinking_water/docs/dac_certification_form_upload_instruction.pdf) (https://www.waterboards.ca.gov/resources/fees/drinking\_water/docs/dac\_certification\_form\_upload\_instruction.pdf) for instructions on how to upload your completed DAC certification form. To upload a DAC Certification Form, click

No file chosen

If you have questions about completing this section of the report, please contact the Program Liaison Unit at DDW-PLU@waterboards.ca.gov or call (916) 449-5158.

0%

REPORT SUBMITTED BY Name:  Title:  Work phone:  Cell phone:  Email address:

**Please be aware that all comment boxes throughout this electronic annual report will be made publicly available WITH THE EXCEPTION of the comment box below. Only Waterboard staff and other people with your water system's DRINC login credentials will have access to this comment box. You are encouraged to provide any comments that you believe may help improve this annual report process.**

**PRIVATE COMMENTS:** (2018LWSHelp.htm#Comments)

<input type="button" value="Intro"/>	<input type="button" value="Contacts"/>	<input type="button" value="Population"/>	<input type="button" value="Connections"/>	<input type="button" value="Sources"/>	<input type="button" value="Water Supplied"/>	<input type="button" value="Water Rates and Deliveries"/>	<input type="button" value="Water Quality"/>	<input type="button" value="Backflow"/>		
<input type="button" value="Certification"/>	<input type="button" value="Improvements"/>	<input type="button" value="Complaints"/>	<input type="button" value="Recycled"/>	<input type="button" value="Treatment"/>	<input type="button" value="Distribution"/>	<input type="button" value="Emergency"/>	<input type="button" value="Conservation"/>	<input type="button" value="Climate Change"/>	<input type="button" value="LSLR"/>	<input type="button" value="Finalize"/>

**1. Public Water System Contacts** (2018LWSHelp.htm#PublicWSContacts)

Click here (ContactHelp.htm) to learn how to Modify, Add and Delete Contacts in the table below.

**IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.**

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.

PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank. Only the BUSINESS phone type will appear in Drinking Water Watch (https://sdwis.waterboards.ca.gov/PDWW/), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

NAME, TITLE & ADDRESS	PHONE TYPE (2018LWSHelp.htm#PhoneTypes)	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply) (2018LWSHelp.htm#ChangeContactType)	
<input type="text" value="FREEMAN, MITCH"/>	Business	<input type="text" value="951-658-3241"/>	<input type="text" value="MFreeman@lhmw.org"/>	<input type="checkbox"/> Contact1 Delete	<input type="checkbox"/> Operator
	Home	<input type="text" value="YY"/>		<input type="checkbox"/> Administrative	
<input type="text" value="SUPERVISOR WATER/SEW"/>	Facsimile	<input type="text" value="951-766-7031"/>		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
<input type="text" value="P.O. Box 5039 26385 Fairview Ave."/> <input type="text" value="HEMET"/> <input type="text" value="CA"/>	Mobile	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input checked="" type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="HEMET 92544"/>	Emergency	<input type="text" value=""/>		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<input type="text" value="GOW, MIKE"/>	Business	<input type="text" value="951-658-3241"/>	<input type="text" value="MGow@lhmw.org"/>	<input type="checkbox"/> Contact2 Delete	<input type="checkbox"/> Operator
	Home	<input type="text" value="YY"/>		<input checked="" type="checkbox"/> Administrative	

<b>GENERAL MANAGER</b>	Facsimile	YY	YY	<input checked="" type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave.	Mobile	951-837-7738		<input type="checkbox"/> Designated Operator In Charge	<input checked="" type="checkbox"/> Water Quality
HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Owner	<input checked="" type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<b>FRANKFORTER, KRISTEN</b>	Business	951-658-3241		<input type="checkbox"/> Contact3 Delete	<input type="checkbox"/> Operator
	Home	YY	KFrankforter@lhmwd.org	<input type="checkbox"/> Administrative	
<b>WATER QUALITY TECH</b>	Facsimile	951-766-7031		<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave.	Mobile	310-706-8547	YY	<input type="checkbox"/> Designated Operator In Charge	<input checked="" type="checkbox"/> Water Quality
HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<b>AGUILAR, KATHLEEN</b>	Business	951-658-3241		<input type="checkbox"/> Contact4 Delete	<input type="checkbox"/> Operator
	Home	YY	kagUILAR@lhmwd.org	<input type="checkbox"/> Administrative	
<b>EXEC. TREASURER</b>	Facsimile	951-766-7031		<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave	Mobile	951-533-6860	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY		<input type="checkbox"/> Contact5 Delete	<input type="checkbox"/> Operator
	Home	YY	YY	<input type="checkbox"/> Administrative	
YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
YY YY	Mobile	YY	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY		<input type="checkbox"/> Contact6 Delete	<input type="checkbox"/> Operator
	Home	YY	YY	<input type="checkbox"/> Administrative	
YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
YY YY	Mobile	YY	YY	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Contact6 Water Quality
YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
YY	Business	YY	YY	<input type="checkbox"/> Contact7 Delete	<input type="checkbox"/> Operator
	Home	YY		<input type="checkbox"/> Administrative	
YY	Facsimile	YY	YY	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency

<input type="text" value="YY"/> <input type="text" value="YY"/>	Mobile	<input type="text" value="YY"/>		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="YY"/> <input type="text" value="YY"/> <input type="text" value="YY"/>	Emergency	<input type="text" value="YY"/>		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<input type="text" value="YY"/>	Business	<input type="text" value="YY"/>		<input type="checkbox"/> Contact8 Delete	
	Home	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
<input type="text" value="YY"/>	Facsimile	<input type="text" value="YY"/>		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
<input type="text" value="YY"/> <input type="text" value="YY"/>	Mobile	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="YY"/> <input type="text" value="YY"/> <input type="text" value="YY"/>	Emergency	<input type="text" value="YY"/>		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<input type="text" value="--Contact Name--"/>	Business	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
<input type="text" value="--Title--"/>	Home	<input type="text" value="(999) 999-9999"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
<input type="text" value="--Address Line 1--"/> <input type="text" value="--Address Line 2--"/>	Facsimile	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="--City--"/> <input type="text" value="99999"/>	Mobile	<input type="text" value="YY"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
<input type="text" value="--ST--"/>	Emergency	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<input type="text" value="--Contact Name--"/>	Business	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
<input type="text" value="--Title--"/>	Home	<input type="text" value="(999) 999-9999"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
<input type="text" value="--Address Line 1--"/> <input type="text" value="--Address Line 2--"/>	Facsimile	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="--City--"/> <input type="text" value="99999"/>	Mobile	<input type="text" value="YY"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
<input type="text" value="--ST--"/>	Emergency	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<input type="text" value="--Contact Name--"/>	Business	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
<input type="text" value="--Title--"/>	Home	<input type="text" value="(999) 999-9999"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
<input type="text" value="--Address Line 1--"/> <input type="text" value="--Address Line 2--"/>	Facsimile	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="--City--"/> <input type="text" value="99999"/>	Mobile	<input type="text" value="YY"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
<input type="text" value="--ST--"/>	Emergency	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<input type="text" value="--Contact Name--"/>	Business	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
<input type="text" value="--Title--"/>	Home	<input type="text" value="(999) 999-9999"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
<input type="text" value="--Address Line 1--"/> <input type="text" value="--Address Line 2--"/>	Facsimile	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Water Quality
<input type="text" value="--City--"/> <input type="text" value="99999"/>	Mobile	<input type="text" value="YY"/>	<input type="text" value="XXXXX@XXXXX.XXX"/>	<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
<input type="text" value="--ST--"/>	Emergency	<input type="text" value="(999) 999-9999"/>		<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

COMMENTS (Note: Comments will be made publicly available):  (2018LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 2. POPULATION SERVED


Permanent population or number of long-term residents\*:

\*Long-term resident means someone who resides within the water system service area for more than half of the year.

Method used to determine population:	<input type="radio"/> --Pick one-- <input type="radio"/> Most recent United States census data <input type="radio"/> Multiplied number of service connections by 3.3 <input type="radio"/> Determined total number of dwelling units and multiplied by 2.8 <input type="radio"/> Other
--------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

If permanent population is based on "Other", identify the methods or sources of how it was estimated::

Seasonal Maximum Population (If applicable):

Provide season  (2018LWSHelp.htm#Season) :

Begin Date		End Date	
MM	DD	MM	DD
<input style="width: 30px;" type="text" value="YY"/>	<input style="width: 30px;" type="text" value="YY"/>	<input style="width: 30px;" type="text" value="YY"/>	<input style="width: 30px;" type="text" value="YY"/>

List the names of communities served by the system identifying both incorporated and unincorporated areas:

COMMENTS (Note: Comments will be made publicly available):  (2018LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 3. NUMBER OF SERVICE CONNECTIONS (as of December 31, 2018)

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:




The total number of Service Connections as of December 31, 2018 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
<b>Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward "service connections" for compliance purposes.</b>						
<u>Single-family Residential:</u> single family detached dwellings	0	13267	13267	0	0	0
<u>Multi-family Residential:</u> Apartments, condominiums, town houses, duplexes and trailer parks	0	483	483	0	0	0
<u>Commercial/Institutional:</u> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels, churches	0	430	430	0	0	0
<u>Industrial:</u> All manufacturing	0	4	4	0	0	0
<u>Landscape Irrigation:</u> Parks, play fields, cemeteries, median strips, golf courses	0	77	77	0	0	0
<u>Agricultural Irrigation:</u> Irrigation of commercially-grown crops	0	49	49	0	0	0
Total Active Connections*	0	14310	14310	0	0	0

\*Calculated field  
Unneeded recalc button

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
<u>Other:</u> Fire suppression, street cleaning, line flushing, construction meters, temporary meters	0	0	0	0	0	0

B. Number of Inactive Connections (all types)	YY
Include only service connections that have been physically disconnected (e.g. meter removed) from the water system. All other service connections should be considered as "Active."	
C. Number of NON-residential customers required to have dedicated outdoor irrigation meters (excluding agricultural connections)  (2018LWSHelp.htm#CONNECTIONS)	YY

**COMMENTS (Note: Comments will be made publicly available):**  (2018LWSHelp.htm#Comments) YY

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

#### 4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES

Type	Total No. Approved (by permit)	Total No. New/ Added in 2018	Total No. Inactivated in 2018	Total No. Destroyed in 2018
Active Groundwater Intakes (Wells)  (2018LWSHelp.htm#AGI)	10	0	0	0
Active Surface Water Intakes (Raw)  (2018LWSHelp.htm#ASWI)	0	0	0	0
Active Purchased Water (GW) Connections  (2018LWSHelp.htm#APWGWC)	2	0	0	0
Active Purchased Water (SW) Connections  (2018LWSHelp.htm#APWSWC)	0	0	0	0
Standby Sources <sup>1</sup> (2018LWSHelp.htm#STANDBYSOURCES)	0	0	0	0
Emergency Interconnections	1	0	0	0
Inactive Sources <sup>2</sup>	3		0	0

- Are your water sources metered?  --Pick one--  
 Yes  
 No
- Do you routinely monitor the *static* water levels in your wells?  
 --Pick one--  
 Yes  
 No  
 Not Applicable (no wells)
- Do you routinely monitor the *pumping* water levels in your wells?  
 --Pick one--  
 Yes  
 No  
 Not Applicable (no wells)
- Are these levels recovering, declining or steady?:  
 --Pick one--  
 Recovering  
 Declining  
 Steady  
 Not Applicable (no wells)

<sup>1</sup>If a standby source (2018LWSHelp.htm#STANDBYSOURCES) was used in 2018, provide the following information.

Name of the Standby Source used in 2018:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was the Division of Drinking Water notified? (Y/N)	Describe the reason the Standby Source was used:

<sup>2</sup>Inactive sources are not approved as sources of supply and must be physically disconnected or similarly isolated.

COMMENTS (Note: Comments will be made publicly available): (2018LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
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- Improvements
- Complaints
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- Treatment
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- Emergency
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- LSLR
- Finalize

## 5. WATER PRODUCED, PURCHASED AND SOLD

The **Maximum Day** is the day during 2018 with the highest total water usage. Provide the *date* for that day in Column B, then complete Columns C, D and E, indicating how much of the water on that day was from each source.

Units of Measure for this table:

- Pick one--
- Gallons
- Million Gallons
- Acre-feet (AF)
- 100 cubic feet

Volumes are based on:

- Pick one--
- METERED VOLUMES
- ESTIMATED VOLUMES

A	B	C	D	E	F	G	H	I
Potable Water							Non-potable (exclude recycled)	Recycled
	Date/ Month	Water Produced from Groundwater (Wells)	Water Produced from Surface Water <sup>2</sup>	Finished Water Purchased or Received from another PWS <sup>5</sup>	Total Amount of Potable Water <sup>3*</sup>	Water Sold to Another PWS <sup>5</sup>		
Maximum Day <sup>1</sup>	08/08/18	35	0	0	35	0		
January		479.319	0	0	479.319	0	188.216	0
February		502.75	0	0	502.75	0	485.635	0
March		440.993	0	0	440.993	0	124.805	0
April		639.753	0	0	639.753	0	524.953	0
May		703.631	0	0	703.631	0	588.685	0
June		822.979	0	9.7421	832.7211	0	575.749	0
July		934.989	0	3.37152	938.36052	0	1022.944	0
August		936.006	0	11.8301	947.8361	0	926.593	0
September		794.233	0	.7756	795.0086	0	832.308	0
October		729.431	0	0	729.431	0	696.494	0
November		612.060	0	0	612.06	0	493.42	0
December		488.549	0	0	488.549	0	73.12	0
Annual Total*		8084.693	0	25.71932	8110.41232	0	6532.922	0
Percent Treated <sup>4</sup>		YY						

PWS = Public Water System

\*Calculated field

Non-potable = water supplies, except recycled water, that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation

Recycled = domestic wastewater which as a result of treatment is suitable for uses other than potable use such as irrigation or toilet flushing

<sup>1</sup>Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

<sup>2</sup>Do not include raw water purchased; report only volume of water that was treated.

<sup>3</sup>(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. Total water production includes water that is sold to another water system. To update, click below

<sup>4</sup>This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection and fluoridation.

<sup>5</sup>If water was **Purchased** from or **Sold** to another PWS, complete the table below:

Specify whether water was Purchased or Sold	Name of PWS
Purchased	Eastern Municipal Water District

If recycled water was *supplied to your customers*, complete the table below:

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier
------------------------------------------------------------------------	---------------------------------

COMMENTS (Note: Comments will be made publicly available):  (2018LWSHelp.htm#Comments) YY

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 6. WATER RATES AND DELIVERIES





### A. WATER RATES (2018LWSHelp.htm#6A.WaterRate)

If you have questions about completing this section of the report, please contact Kathy.Frevert@Waterboards.ca.gov (mailto:Kathy.Frevert@Waterboards.ca.gov), 916-322-5274 or Mary.Yang@Waterboards.ca.gov (mailto:Mary.Yang@Waterboards.ca.gov), 916-322-6507.

#### A1. Residential Water Rates



A1.a. Indicate the type of residential water rate structure  (2018LWSHelp.htm#ResidentialRates) used by your water system (select those that apply):




- Base Rate – (Non-Volumetric Rates)**  (2018LWSHelp.htm#BaseRateNonVolumetric)
- Fixed Base Rate - Basic or fixed charge that is the same for all customers regardless of use.
  - Variable Base Rate - Basic charge is different for customers depending on size of pipe, water meter, elevation, peak use, or other factors.
- Usage Rate (Volumetric Rates)**  (2018LWSHelp.htm#UsageRateVolumetric)
- Uniform Usage Rate - The charge per 100 cubic feet of water is the same regardless of use.
  - Variable Usage Rate - Increasing Block or Tier Rate. The charge per 100 cubic feet or other increment of water increases as water use increases.
- Other Rates**
- Flat Rate (often unmetered) - One rate for providing drinking water regardless of the volume of water used, not combined with a usage rate.  (2018LWSHelp.htm#FlatRate)
- If you have a Flat Rate, please skip questions A1.b, A1.d, A1.f, A1.g and A3. Enter your flat rate in A4.**
- Allocation Based  (2018LWSHelp.htm#AllocationBased)
  - Other rate structure (specify your rate structure in the comment box, provide a weblink 1j below)
  - We do not charge a water rate (explain in next question)



A1.b. If your water system doesn't have rates, explain why:

- Pick one--
- Supplier is educational facility with its own water source
- Supplier is an institutional facility with its own water source
- Supplier is business with its own water source
- Supplier is park or recreational facility with its own water source
- Other (explain in comment box below))

Comments on rate structure (Note: Comments will be made publicly available):

If you are a water supplier without water rates, check this box , then move to Section 6B Water Deliveries.


<p>A1.c. What is your billing frequency?</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input checked="" type="radio"/> monthly</li> <li><input type="radio"/> bi-monthly</li> <li><input type="radio"/> quarterly</li> <li><input type="radio"/> annually</li> <li><input type="radio"/> other</li> </ul>
<p>A1.d. If charges change with different levels of water consumption or features, what is the number of tiers or levels of charges?  (2018LWSHelp.htm#A1.d)</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Not Tiered</li> <li><input type="radio"/> 2</li> <li><input type="radio"/> 3</li> <li><input type="radio"/> 4</li> <li><input type="radio"/> 5</li> <li><input type="radio"/> 6</li> <li><input type="radio"/> 7</li> </ul>
<p>A1.e. Identify any aspects or factors used to determine or adjust residential water rates (mark those that apply).  (2018LWSHelp.htm#A1.e)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Agricultural use (non-commercial or commercial)</li> <li><input type="checkbox"/> Elevation</li> <li><input type="checkbox"/> Evaporative Coolers</li> <li><input type="checkbox"/> Fire protection - water to irrigate vegetation</li> <li><input type="checkbox"/> Home-based business</li> <li><input type="checkbox"/> Livestock or large animals</li> <li><input type="checkbox"/> Lot size</li> <li><input type="checkbox"/> Medical needs</li> <li><input type="checkbox"/> Meter size</li> <li><input type="checkbox"/> Mitigation of high levels of total dissolved solids</li> <li><input type="checkbox"/> Occupancy (All-year)</li> <li><input type="checkbox"/> Occupancy (Seasonal)</li> <li><input type="checkbox"/> Pressure zone</li> <li><input type="checkbox"/> Soil compaction and dust control</li> <li><input type="checkbox"/> Supplement ponds and lakes to sustain wildlife</li> <li><input type="checkbox"/> Other : <input type="text" value="YY"/></li> <li><input checked="" type="checkbox"/> None of the above</li> </ul>	
<p>A1.f. Units of Measure (UOM) for this table on Residential Water Rates:  (2018LWSHelp.htm#A1.f)</p>	<ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Gallons (Gal)</li> <li><input type="radio"/> Hundred Cubic Feet</li> <li><input type="radio"/> Thousand Gallons</li> <li><input type="radio"/> Million Gallons</li> <li><input type="radio"/> Acre Feet</li> <li><input type="radio"/> Not Applicable</li> </ul>

A1.g. Table on Residential Water Rates, Single-family  (2018LWSHelp.htm#A1.g.SingleFamily) and Multi-family  (2018LWSHelp.htm#A1.g.MultiFamily)


If your water system uses an allocation or flat base rate structure, add a direct weblink to more information on your rate structure (A1.j), provide information in the box "Comments on Residential Rate Structure"(A1.k), and leave this table blank.


**Provide information on residential water rates based on consumption. If a feature of your rate structure, (e.g., meter size, elevation, or other) affects water rates, provide the water rate associated with the most common situation. Enter zero "0" if not applicable. See examples (https://www.waterboards.ca.gov/water\_issues/programs/conservation\_portal/help\_tips/docs/2018e\_ar\_examples\_rate\_structures\_q6a.p**

**Single-family** **Multi-family**

**Upper volume of water**   
 (2018LWSHelp.htm#A1.g.UpperVolumeWater)  
 included  
 in base rate in Units of Measure (UOM)

If there is no base rate or volume of water associated with a base rate, enter the number zero "0".

**Base Rate (non-volumetric rates)**   
 (2018LWSHelp.htm#A1.g.BaseRate)


**Usage Rate (volumetric rates)**   
 (2018LWSHelp.htm#A1.g.UsageRate) **Upper level of water volume for each level in UOM**  
 The rows that follow do not include a base rate or fixed charge.

Rate Structure level 1	<input type="text" value="YY"/>
Rate Structure level 2	<input type="text" value="YY"/>
Rate Structure level 3	<input type="text" value="YY"/>
Rate Structure level 4	<input type="text" value="YY"/>
Rate Structure level 5	<input type="text" value="YY"/>
Rate Structure level 6	<input type="text" value="YY"/>
Rate Structure level 7	<input type="text" value="YY"/>

**Cost per Billing Period (Dollars)**

**Cost per UOM (Dollars)**

<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>

**Upper volume of water**   
 (2018LWSHelp.htm#A1.g.UpperVolumeWater)  
 included  
 in base rate in Units of Measure (UOM)

If there is no base rate or volume of water associated with a base rate, enter the number zero "0".


**Upper level of water volume for each level in UOM**

<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>


**Cost per Billing Period (Dollars)**


**Cost per UOM (Dollars)**

<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>
<input type="text" value="YY"/>

A1.h. Date of most recent update to the rate structure:  (2018LWSHelp.htm#A1.h)

A1.i. Describe the changes to rate changes that were made in the update:

A1.j. Provide a direct link to a web page that explains water rates and fees, if available.  (2018LWSHelp.htm#A1.j)


A1.k. Comments on Residential Rate Structure. Explain allocation rate, if applicable.  (2018LWSHelp.htm#A1.k)

## A2. RESIDENTIAL SERVICE CONNECTIONS


A2.a. Select the most common single-family residential meter size:


- Pick one--
- 3/4 inch
- 5/8 inch
- 1 inch
- other
- not applicable
- Pick one--
- 1/2 inch
- 5/8 inch
- 3/4 inch
- 1 inch
- 2 inch
- other
- not applicable

A2.b. Select the most common multi-family residential meter size:

A2.c. What is, approximately, the service connection fee for **single-family brand-new construction** based on the most common meter size listed above (\$)  (2018LWSHelp.htm#A2.c)

A2.d. Date of most recent update to the new connection fee for single-family brand-new construction: **MM/DD/YYYY**  (2018LWSHelp.htm#A2.d)

A2.e. What is the one-time connection fee to open a new account for an **existing single-family home** based on the most common meter size indicated above (\$)  (2018LWSHelp.htm#A2.e)

A2.f. What is, approximately, the connection fee for **multi-family new construction** based on the most common meter size indicated above (\$)  (2018LWSHelp.htm#A2.f)

A2.g. Check items included in new residential connection fees:

<input type="checkbox"/> Existing infrastructure buy-in (e.g., water treatment/ conveyance/sewage treatment )
<input type="checkbox"/> Upgrades to infrastructure (seismic retrofits, pipe replacements, etc.)
<input type="checkbox"/> Storm water management system
<input type="checkbox"/> Debt service charge
<input type="checkbox"/> Development of new water supplies
<input type="checkbox"/> Other : <input type="text" value="YY"/>



A2.h. Comments on Residential Service Connections (publicly available): [Single Family: Our base rates are based on meter size, cost per billing period ranges from \\$29.92-\\$1,780.76/Rate Structure Level 1 0-5 is \\$1.12/ 6-13 is \\$2.28 and 14+ \\$3.43 per unit. Multi-Family: Same as Single Family, based on meter size. A2f=Based on meter size.](#)

### A3. NON-RESIDENTIAL WATER RATES (2018LWSHelp.htm#A3)

A3.a. Select the most common non-residential meter size:

- Pick one--
- 3/4 inch
- 5/8 inch
- 1 inch
- 1.5 inch
- 2 inch
- other
- not applicable

A3.b. Complete the table below providing specific water rates applied to your **non-residential** customers:


Connection Type	BASE RATE (BR)	If BR + UUR, what is the volume allowed before UUR applies	UNIFORM USAGE RATE (UUR)	VARIABLE BASE RATE (provide range) (VBR)		VARIABLE USAGE RATE (provide range) (VUR)	
	\$ (Base)  (2018LWSHelp.htm#A3.b)	HCF  (2018LWSHelp.htm#HCF)	\$ per HCF	\$ Low	\$ High	\$ per HCF Low	\$ per HCF High
Commercial	0	0	0	29.92	1780.76	2.12	3.43
Institutional	0	0	0	29.92	1780.76	2.12	3.43
Industrial	0	0	0	29.92	1780.76	2.12	3.43
Landscape Irrigation	0	0	0	29.92	1780.76	2.12	3.43
Agricultural Irrigation	0	0	0	29.92	1780.76	8.76	1014.00
Other	YY	YY	YY	YY	YY	YY	YY

Comments on non-residential water rates (publicly available): [Base rates are based on meter size. Agricultural irrigation is price per AF](#)


### A4. AFFORDABLE DRINKING WATER

**For each amount of water delivered to a single-family residential customer shown below, what is charged (in dollars) to a customer?**


For each of the three water volumes shown below, provide what would be the monthly water bill for a single-family residential customer. Enter the monthly Water Charges and Other Charges for each water volume. For example, if a single-family customer used 12 HCF in a month, the total bill would include water charges for using 12 HCF and other charges that are added to the bill. Other charges vary locally and may include property tax, city tax, utility users tax, services for fire suppression, waste water or sewer, stormwater or other non-water surcharges. If the "other charges" varies by certain features (e.g., by climate, lot size, landscaped area) use the lowest charge in your calculation. Click the "Update Totals" button to automatically add the charges together to show a Total Monthly Water Bill that a residential customer would pay when its household used the specified amount of water.

**A4.a. 6 HCF**  (2018LWSHelp.htm#A4)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	42.80	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	36.74	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	79.54	Dollars/month

**A4.b. 12 HCF**  (2018LWSHelp.htm#A4)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	56.48	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	36.74	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	93.22	Dollars/month

**A4.c. 24 HCF**  (2018LWSHelp.htm#A4)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	96.49	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	36.74	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	133.23	Dollars/month

Comments on Affordable Drinking Water(publicly available): YY



## A5. SHUT-OFFS [\(2018LWSHelp.htm#A5\)](#)

Completing this section will fulfill the 2018 requirements of Senate Bill 998 – Discontinuation of residential water service.

Click the "Update Totals" button to automatically add the Single Family and Multifamily Accounts

**Community Water Systems that have water rates and more than 200 connections must complete this section. If your community water system does not meet these criteria for completing this Section, then you must mark the boxes "did not collect information" below in order to avoid completion errors.**

If a water supplier tracks the number of services connections but did not collect information on whether residences were occupied or unoccupied at the time of disconnection, put the total number of disconnections in the "unknown accounts" column in the tables in this section.

If a water supplier does not differentiate between single-family or multi-family, then enter all information as single-family.

A5.a. How many accounts for residential service connections had their water shut off once during the year of 2018 due to failure to pay?

If there was no information collected for question A5.a, mark the check box "Did not collect information"   and skip below table.

	Occupied Accounts	Unoccupied Accounts	Unknown Accounts <a href="#">(2018LWSHelp.htm#UnknownOccupancy)</a>	Total*
Single-Family Accounts	YY	YY	YY	0
Multi-family Accounts	YY	YY	YY	0

A5.b. How many accounts for residential service connections had their water shut off more than once during 2018 due to failure to pay?

If there was no information collected for question A5.b, mark the check box "Did not collect information"   and skip below table.

	Occupied Accounts	Unoccupied Accounts	Unknown Accounts <a href="#">(2018LWSHelp.htm#UnknownOccupancy)</a>	Total*
Single-Family Accounts	YY	YY	YY	0
Multi-Family Accounts	YY	YY	YY	0

A5.c. What is the residential reconnection fee to restore drinking water service due to failure to pay during operating hours? [\(2018LWSHelp.htm#A5.cd\)](#)

Single-Family Accounts

Multi-family Accounts

A5.d. What is the residential reconnection fee to restore drinking water service due to failure to pay during non-operating hours? [\(2018LWSHelp.htm#A5.cd\)](#)

Single-Family Accounts

Multi-Family Accounts

A5.e. What was the median duration of the shut-offs (in days) for continuously occupied residential service accounts? [\(2018LWSHelp.htm#A5.e\)](#)

If there was no information collected for question A5.e, mark the check box "Did not collect median duration of shut-offs (in days) for occupied residents"   and skip below table.

	Occupied Accounts	Unoccupied Accounts	Unknown Accounts <a href="#">(2018LWSHelp.htm#UnknownOccupancy)</a>	Total*
Single-Family Accounts	3549	0	0	3549
Multi-Family Accounts	11	0	0	11

A5.f. If you offer an extended repayment or other customer payment assistance plan, how many continuously occupied residential customer accounts participated?

Single-Family Accounts

Multi-family Accounts

Total\*

A5.g. How many of the continuously occupied residential accounts were shut off at least once during calendar year 2018 and were enrolled in an extended repayment plan or other customer payment assistance plan at the time of the service disconnection?

Single-Family Accounts

Multi-family Accounts

Total\*

A5.h. Do you have a written policy on discontinuation of residential service? [\(2018LWSHelp.htm#A5.h\)](#)

--Pick one--

Yes

No

A5.i. Comments on Shut-offs (publicly available): Customers can make payment arrangements.

## A6. Affordable Drinking Water Assistance



A6.a. Do you provide options for low-income assistance?

- Pick one--
- Yes
- No

A6.b. If yes, how was the program funded?

A6.c. How much funding was allocated to the program in 2018?

A6.d. What form of benefit was given per account (dollar amount, percentage, or volume) and how much? (2018LWSHelp.htm#A6.d)

A6.e. How many residential accounts received the low-income subsidy?

A6.f. What are the eligibility criteria to qualify for assistance?

- Disabled
- Low Income Families
- Seniors
- Special Medical Need
- Other Please describe:

YY

A6.g. At this time, does your agency have a policy to allow for alternative payment? (2018LWSHelp.htm#A6.g)

- Pick one--
- Yes
- No

Comments on Affordable Drinking Water Assistance (publicly available): YY

## B. WATER DELIVERIES

Units of Measure (UOM) for this table:

- Pick one--
- Gallons
- Million Gallons
- Acre-feet (AF)
- 100 cubic feet

Provide monthly **metered** water deliveries for all water sources (potable and non-potable) in the table below.

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/ Institutional	Industrial	Landscape Irrigation	Other	Total Urban Retail <sup>1*</sup>	Agricultural	Other PWS
Check if Recycled Water is included:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
January	167074	21208	17819	76	3193	0	209370	227.98	0
February	147949	20451	15971	57	2219	0	186647	543.12	0
March	134979	19714	14222	10	2587	0	171512	140.76	0
April	144947	18532	15688	13	2487	0	181667	611.72	0
May	214242	25529	25910	15	4798	0	270494	667.49	0
June	227863	21118	29861	14	5917	0	284773	892.17	0
July	274223	26881	34727	32	7065	0	342928	1065.67	0
August	290686	29620	35802	32	7486	0	363626	1094.16	0
September	260584	22565	31487	36	7311	0	321983	1018.13	0
October	254469	33320	32781	31	6600	0	327201	790.07	0

November	166028	15759	22333	23	4960	0	209103	586.62	0
December	168151	24140	16264	34	3929	0	212518	110.79	0
Total*	2451195	278837	292865	373	58552	0	3081822	7748.68	0

COMMENTS (Note: Comments will be made publicly available): [\(2018LWSHelp.htm#Comments\)](#) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 7. WATER QUALITY

Date of Emergency Notification Plan:	03/30/2018
Is the Emergency Notification Plan up to date?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No

## DIRECT ADDITIVES

Pursuant to Section 64590, Title 22 of the California Code of Regulations, (effective January 1, 1994), all chemicals or products, including chlorine, added directly to the drinking water as part of a treatment process must meet the ANSI/NSF Standard 60. Please complete the following table for each chemical used by this water system. If you are not sure whether a chemical you are using meets this standard, contact the manufacturer or distributor of the chemical.

If you do not use any direct additives, put "NONE" in **each** column of the first row.

Name of Chemical	Name of Manufacturer	Purpose of using chemical	Chemical is ANSI/NSF Standard 60 certified (Y/N)	Use initiated in 2018 (Y/N)
Calcium Hypochlorite	Environmental Compliance Resources	Disinfection & Residual	Y	N
Sodium Hypochlorite	HASA	Disinfection & Residual	Y	N

## INDIRECT ADDITIVES

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

Does your water system have procedures to ensure all future equipment and materials meet this standard?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
---------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS (Note: Comments will be made publicly available): [\(2018LWSHelp.htm#Comments\)](#) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 8. CROSS-CONNECTION CONTROL [?](#) (2018LWSHelp.htm#CCC)

	Total Number in System in 2018 <sup>1</sup>	Number Installed in 2018	Number Tested in 2018 <sup>2</sup>	Number Failed in 2018	Number Repaired/ Replaced
Backflow Assemblies  (2018LWSHelp.htm#Backflow) on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	602	3	601	125	131
Backflow Assemblies On-site but not on the Service Connections or Meter  (2018LWSHelp.htm#Backflow2) (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Air-gap Separation  (2018LWSHelp.htm#AirGap)	0	0			

Notes:

<sup>1</sup> **Total Number in System in 2018** – Total number of active Backflow Prevention Assemblies including new devices installed in 2018, but excluding inactive devices.

<sup>2</sup> **Number Tested in 2018** – includes all active devices that were tested in 2018 and either passed or failed.

No. of <i>Inactive</i> Backflow Prevention Assemblies in water system in 2018  (2018LWSHelp.htm#Inactive):	34
Date of last cross-connection control survey done on the system: <u>If ongoing, enter the last day of the year, e.g., 12/31/2018</u>	06/14/2018
Cross Connection Control Program Coordinator	
Name:	Ross W. Detwiler
Certification Number:	10373
Business Phone:	951-658-3241 Ext. 252
Email Address:	rdetwiler@lhmwd.org
Certification or training received:	Cross Connection Control Specialist

Describe any cross-connection incidents (2018LWSHelp.htm#CCI) that occurred during 2018:

**COMMENTS (Note: Comments will be made publicly available):** (2018LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 9. OPERATOR CERTIFICATION (2018LWSHelp.htm#TipsOpCert)

A. Please list the State certified Water **Treatment Plant Operators** employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) (2018LWSHelp.htm#Chief).

Your Highest Treatment System Classification is: There are no facilities subject to the Certified Treatment Plant Operator requirements (2018LWSHelp.htm#HTSC)

Check this box if your public water system has designated a Chief Treatment Operator.

Name of Chief Treatment Operator (First name Last name): Mitchell J. Freeman

Grade of Chief Treatment Operator (1, 2, 3, 4 or 5): 4

Treatment Operator Number (4 or 5 digits): 12892

Treatment Certification Expiration Date (MM/DD/YYYY): 11/01/2019

Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift (C, S or X)	Treatment Operator Number (4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
Mitchell J. Freeman	D5	C	3479	06/01/2020


Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift (C, S or X)	Treatment Operator Number (4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
Michael W. Mudge	D5	S	16712	05/01/2021
Andrew C. Forst	D5	S	9289	04/01/2021
William R. Carter	D5	S	25557	08/01/2021
Michael L. Booth	D4	S	6113	06/01/2021
Jeffrey S. McKee	D4	S	5905	04/01/2021
Dean M. Wade	D4	S	19099	07/01/2021
Greg Bagwell	D3	S	19094	01/01/2021
John A. Smith	D3	S	26893	10/01/2020
Eric M. Libeu	D3	S	30031	03/01/2022
Thomas L. Moses	D3	S	30032	05/01/2019
Matt Park	D3	X	30030	11/01/2019
Miguel J. Rodriguez	D3	S	30038	01/01/2021
Mike A. Gow	D2	X	4583	11/01/2020
Hector M. Ambriz	D3	S	16770	01/01/2022
Ross W. Detwiler	D2	S	30039	01/01/2021
Ryan H. Merrick	D3	S	29019	10/01/2021
Christopher M. Pillow	D2	S	31407	12/01/2021
David J. Wilke	D3	S	10344	09/01/2019
Geoffrey P. Wolever	D2	S	16651	04/01/2020
Zeferino Fuentes	D2	S	33499	11/01/2020
Jeremy S. Unland	D3	X	39574	11/01/2020
Steve Gates	D2	S	46857	05/01/2022
Elliott Magdaleno	D3	X	39404	03/01/2022
Ernie Contreras	D1	S	36069	04/01/2021
James E. Geller	D1	S	31350	07/01/2021
Kristen Frankforter	D1	X	46043	05/01/2019
Justin Smith	D2	S	42332	10/01/2021
Jorge Duran Mora	D2	S	47339	10/01/2019
Jason Venable	D1	X	43229	11/01/2019
Thomas Chavarria	D1	S	50983	12/01/2021
Michael K. Miller	D1	S	50171	06/01/2021


<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

**Do your Chief and Shift Treatment Plant Operators have the minimum level required?**

--Pick one--

- Yes
- No
- No treatment facility except precautionary disinfection
- Don't Know

B. Please list the State certified Water **Distribution System Operators** employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s)  (2018LWSHelp.htm#Chief).

Your Distribution System Classification is:   (2018LWSHelp.htm#DSC)

Check this box if your public water system has designated a Chief Distribution Operator.

Name of Chief Distribution Operator (First name Last name):

Grade of Chief Distribution Operator (1, 2, 3, 4 or 5):

Distribution Operator Number (4 or 5 digits):

Distribution Certification Expiration Date (MM/DD/YYYY):

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift (C, S or X)	Distribution Operator Number (4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
Mitchell J. Freeman	T4	C	12892	11/01/2019
Michael L. Booth	T2	S	16653	06/01/2019
Andrew C. Forst	T2	S	22114	07/01/2020
Mike A. Gow	T2	X	35672	12/01/2019
Jeffrey S. McKee	T2	S	24740	08/01/2019
David J. Wilke	T2	S	23763	05/01/2019
Michael W. Mudge	T2	S	24668	01/01/2021
Gregory Bagwell	T1	S	24665	07/01/2020
Jeremy S. Unland	T1	S	34166	02/01/2021
Christopher M. Pillow	T1	S	35113	02/01/2022
Jorge Duran Mora	T2	S	38528	07/01/2019
Hector M. Ambriz	T1	S	42515	12/01/2021
Eric M. Libeu	T1	S	42173	08/01/2021
Elliott M. Magdaleno	T1	S	38541	07/01/2019

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

**Do your Chief and Shift Distribution System Operators have the minimum level required?**

- Pick one--
- Yes
- No
- Don't Know
- Not Applicable (transient non-community water system)

**COMMENTS (Note: Comments will be made publicly available):**  (2018LWSHelp.htm#Comments)

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- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 10. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
  - Adding a new source
  - Changing the status of an existing source (for example, active to standby) or
  - Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
  - Design capacity
  - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2018 for which a permit was not obtained, please describe the improvements or modifications below.

Replaced 700' Mainline Installed Additional 200' Mainline

Indicate any planned improvements or modifications for 2020.

Reline Bee Canyon Reservoir Reline Cunningham Reservoir

**COMMENTS (Note: Comments will be made publicly available):** (2018LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 11. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	4	4	0	Investigative visit and consultation
Color	1	1	0	Flushed lines
Turbidity	6	4	0	Explained air in lines
Visible Organisms	0	0	0	YY
Pressure (High or Low)	3	3	0	Faulty pressure regulators
Water Outages <sup>1</sup>	0	0	0	YY
Illnesses (Waterborne)	0	0	0	YY
Other (Specify)	11	11	0	Sand/debris - Flushed lines/5-Strange (nails turning black, algae, lonely)
<b>Total No. of Complaints*</b>	<b>25</b>	<b>23</b>	<b>0</b>	

<sup>1</sup>These are customer complaints of a water outage and not necessarily the same as the water outages reported under "System Problems" in the Distribution Section of the EARDWP.


\*Calculated field

COMMENTS (Note: Comments will be made publicly available):  (2018LWSHelp.htm#Comments) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 12. RECYCLED WATER USE (2018LWSHelp.htm#Recycled)

Do you have recycled water in your service area (provided by you or another utility)?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know
---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

Recycled Water (RW) Use Sites	Total No. of Approved Sites as of Dec. 31, 2018	No. of New Sites Approved in 2018	No. of Sites Proposed for 2020
Irrigation, Agriculture	0	0	0
Irrigation, Landscape	0	0	0
Industrial	0	0	0
Dual-plumbed  (2018LWSHelp.htm#Dual) (In-building)	0	0	0
Dual-plumbed (Single-family lot)	0	0	0
Cooling Towers	0	0	0
Other	0	0	0
Total*	0	0	0

Name of the recycled water coordinator:	N/A
Business Phone:	YY
Email address:	YY
How many inspections of recycled water use sites were conducted in 2018?	0
How many pressure/shutdown tests were performed in 2018?	0
Do all of your recycled water uses sites have an on-site supervisor?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
How many recycled water uses sites do not have an on-site supervisor?	0

COMMENTS (Note: Comments will be made publicly available):  (2018LWSHelp.htm#Comments) YY

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

### 13. SYSTEM OPERATION - TREATMENT

#### A. GROUNDWATER TREATMENT *(respond only if groundwater treatment is provided, exclude chlorination treatment)*



Groundwater Treatment Plant Name	Treatment Process	Date of Operations Plan	Is Operations Plan Current? (Y/N)	Contaminant Removed
----------------------------------	-------------------	-------------------------	-----------------------------------	---------------------

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2018 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

#### B. SURFACE WATER TREATMENT *(respond only if surface water treatment is provided)*



Surface water Treatment Plant Name	Date of Operations Plan	Is Operations Plan Current? (Y/N)
------------------------------------	-------------------------	-----------------------------------

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2018 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

Date of current Emergency Disinfection Plan (EDP)*:	04/09/2018
<i>*As required under Section 64660(c)(2). The EDP may be included in your water system's Emergency Response Plan or Operations Plan. If so, provide the Name and Date of those plans below:</i>	
Name of Document that includes the Emergency Disinfection Plan:	Emergency Chlorination
Date of document that includes the Emergency Disinfection Plan:	04/09/2018
Date of last watershed sanitary survey report  (2018LWSHelp.htm#WSSR):	01/01/2017
Date planned to complete next watershed sanitary survey report*:	01/01/2022
<i>*As required under Section 64665, each watershed sanitary survey shall be updated at least every 5 years.</i>	
<b>COMMENTS (Note: Comments will be made publicly available):</b> (2018LWSHelp.htm#Comments) YY	

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

### 14. SYSTEM OPERATION – DISTRIBUTION

#### A1. DEAD-END FLUSHING PROGRAM

Total No. in System	No. with Blowoffs	No. Flushed in 2018	Frequency of Flushing
---------------------	-------------------	---------------------	-----------------------



457	256	10	As Needed
-----	-----	----	-----------

Comments on DEAD-END FLUSHING PROGRAM (publicly available): YY

## A2. ALL FLUSHING OPERATIONS

Units of Measure for total volume reported below:	<input type="radio"/> --Pick one-- <input type="radio"/> Gallons <input checked="" type="radio"/> Million Gallons <input type="radio"/> Acre-feet (AF) <input type="radio"/> 100 cubic feet
Total Volume in units of measure selected above; include all types of flushing, not just dead-end flushing: <a href="#">(2018LWSHelp.htm#SB555)</a>	5.539557

Comments on ALL FLUSHING OPERATIONS (publicly available): YY

## B. VALVE EXERCISE PROGRAM

Size Range of Valves	Total No. in System	No. Exercised in 2018	Frequency of Valve Exercising
3'-18'	4699	563	10 yrs +

Comments on VALVE EXERCISE PROGRAM (publicly available): YY

## C. STORAGE TANK/RESERVOIR INSPECTION/CLEANING PROGRAM

(Do not include pressure tanks)




Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection	Date of last cleaning	Date re-lined or coated	Corrosion protection(*)	Material of construction
Marshall	2	1990	01/2019	01/2019	04/2016	None	Welded Steel
Lake #1	2	1972	05/2016	05/2016	2003	None	Welded Steel
Lake #2	2	1977	05/2019	05/2019	04/2013	None	Welded Steel
Cornell	2	1969	03/2018	03/2018	05/2012	None	Welded Steel
Little Lake	1	1956	05/2019	05/2019	03/2010	None	Welded Steel
Park Hill	2	1996	03/2018	03/2018	1996	None	Welded Steel
Bee Canyon	0.5	1982	04/2017	04/2017	05/2001	None	Welded Steel
Section 13	0.04	1970	04/2015	04/2015	05/2001	None	Bolted Steel
Cunningham	0.12	1983	03/2018	03/2018	2001	None	Bolted Steel
Sprague Heights	0.195	Unk	05/2016	05/2016	2003	None	Block & Concrete
Upper Skycrest	0.3	1967	02/2019	02/2019	03/2017	None	Welded Steel
Middle Skycrest	0.06	03/10/2010	04/2015	04/2015	03/2010	None	Bolted Steel
Pachea Trial	0.06	2003	04/2017	04/2017	11/2005	None	Welded Steel
Pipeyard	0.02	Unknown	0	0	0	None	Removed from Service 12/2018
W-14	0.04	Unknown	02/2018	02/2018	Unknown	None	Bolted Steel
W-10	0.02	Unknown	2014	2014	Unknown	None	Bolted Steel

Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection	Date of last cleaning	Date re-lined or coated	Corrosion protection(*)	Material of construction
W-2	0.02	Unknown	10/2014	10/2014	Unknown	None	Bolted Steel
M&M	0.04	Unknown	05/2018	02/2012	Unknown	None	Bolted Steel
McMillan	0.02	05/01/2017	05/2017	05/2017	05/2017	None	Welded Steel
Webcor	0.02	Unknown	04/2019	Unknown	Unknown	None	Bolted Steel

\*Coatings and linings do not count as corrosion protection for table Subsection C.

### D. SYSTEM PROBLEMS

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	105	105	0	Leak, repair or replaced
Main Breaks/Leaks	38	38	0	Leak and repair
Water Outages  (2018LWSHelp.htm#WaterOutages)	14	0	1	Pachea Trail when tank drain on 08/08/2018, due to main break in front of 27331 Pachea Trail.
Boil Water Orders	0	0	0	YY
Total*	157	143	1	

Comments on SYSTEM PROBLEMS (publicly available): YY

### SECTION E AND F BELOW ARE ONLY FOR RETAIL COMMUNITY WATER SYSTEMS WITH >3,000 SERVICE CONNECTIONS OR SUPPLY >3,000 AF/YEAR

If you have questions about completing this section of the report, please contact Kartiki.Naik@waterboards.ca.gov or call (916) 319-9468.

The information in the section below will be used to help develop water loss performance standards for urban retail water suppliers, as required by SB 555 (2015).

### E. INFRASTRUCTURE AND PRESSURE (2018LWSHelp.htm#IPM)


#### Pipe Material in Distribution System

1. Which materials does your distribution system pipe consist of? Please check all that apply:

- Plastic (Including Poly Vinyl Chloride and HDPE)
- Steel
- Cast Iron
- Galvanized Iron
- Ductile Iron
- Cement Concrete
- Asbestos Cement


Pipeline Material	Percentage of distribution pipe system composed of the materials selected above	Average Age (in years)
Plastic	27	10

Steel	71.47	50
Cast Iron	0	0
Galvanized Iron	0	0
Ductile Iron	0	0
Cement Concrete	0	0
Asbestos Cement	1.53	60
other: 0	0	0

2. Percentage of distribution system composed of pipes with a nominal diameter  (2018LWSHelp.htm#NominalDiameter) larger than 18 inches  %

**Pressure Management**

1. Into how many pressure zones is your distribution system divided?


2. Specify the minimum operating pressure, averaged across your distribution system, required to maintain minimum pressure requirements at critical pressure points  (2018LWSHelp.htm#PressionPoint) in your distribution system as per the California Waterworks Standards (California Code of Regulations, Title 22, Division 4, Chapter 16, Article 8, §64602).  psi

Comments on the minimum operating pressure in Question 2 (publicly available)

Comments on Pressure Management (publicly available):

**F. REAL LOSS REDUCTION MEASURES**




1. Has your system implemented real loss reduction and detection measures  (2018LWSHelp.htm#DetectionMeasure) (excluding pressure reduction) in the past five years? If yes, please check the box and proceed to (2)

If not, skip questions 2 and 3 below.

2. Check the box if Component Analysis been conducted for your system

a. Which year was the component analysis  (2018LWSHelp.htm#F2.a) conducted? (YYYY)

b. What was the expenditure incurred? (Amount in \$)

3. (a) Provide details on water loss measures implemented, if known.  (2018LWSHelp.htm#F3.a)

Measure implemented for water loss detection		
Measure	Implementation Level	Comments
Listening rods	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	<input type="text" value="YY"/>
Ground microphones	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	<input type="text" value="YY"/>
Hydrophones	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	<input type="text" value="YY"/>

Leak noise correlators	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Leak noise loggers	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Inline acoustic devices	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Inline pressure devices	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Inline imaging devices	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Tracer gas	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Electromagnetic field detection	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY

District Metered Areas	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Ground Penetrating Radar	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Thermography	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Satellite imaging	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Machine learning	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Step testing	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Visual surveys	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY

Reduced response time to fix breaks/leaks	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Meter testing	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Other	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY

Provide the following information for the prior five years (2015 through 2018):

5-Year Summary for Water Loss Detection Measures	
Total Number of Leaks Detected from Year 2015 to 2018	866
Total Number of Leaks Detected (2015 to 2018) *	1009
Net Volume of Water Loss Identified (2015 to 2018)	86333
Total Expenditure Incurred for Detection Measures (\$) (2015 to 2018)	0

\*Total Number of Leaks Detected for each year is the sum of No. of Problems for Service Connection Breaks/Leaks and Main Breaks/Leaks reported on subsection D. SYSTEM PROBLEMS.

Comments on 5-Year Summary for Water Loss Detection Measures (publicly available): Total Expenditure Incurred for Detection is Unknown, was not fully tracked since 2014.

Select water volume units for the table below:

- Pick one--
- Gallons (Gal)
- Hundred Cubic Feet
- Thousand Gallons
- Million Gallons
- Acre Feet
- Not Applicable

Infrastructure renewal implemented for water loss reduction						
Intervention <a href="#">(2018LWSHelp.htm#F3.b.Intervention)</a>	Portion of distribution system over which implemented (%)	Real loss reduced (Select unit above)	Number of leaks reduced	Expenditure incurred (\$)	Not tracked	Comments
Repair	YY	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Rehabilitation	YY	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Replacement as a result of leak detection	YY	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Total estimates for all interventions as a result of leak detection <a href="#">(2018LWSHelp.htm#F3.b.LeakDetection)</a>	YY	YY	YY	YY	<input checked="" type="checkbox"/>	YY

4. (a) Provide details on measures employed for monitoring operational pressure and pressure transients in your system, if known.

Measures implemented to monitor operational pressure and pressure transients

Measure	Implementation Level	Comments
Pressure loggers	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Hydraulic models	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Pressure transient loggers	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	YY
Other	<input type="radio"/> --Pick one-- <input type="radio"/> Planning <input type="radio"/> Piloted <input type="radio"/> Full-scale <input type="radio"/> Not Considered <input type="radio"/> Not Tracked	Pressure transducers at some pumping stations.
Enter total expenditure if known (\$)	YY	YY

4. (b) Please provide details on interventions implemented to reduce operational pressure and pressure transients in your system, if known.

Intervention implemented to reduce operational pressure or pressure transients					
Intervention  (2018LWSHelp.htm#F4.b.Intervention)	Portion of distribution system over which implemented (%)	Average pressure reduced (psi)	Expenditure for intervention used (\$)	Not tracked	Comments
Pressure reduction/modulation	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Booster pump stations	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Reduced pressure during low demand	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Pressure transient control devices	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Other	YY	YY	YY	<input checked="" type="checkbox"/>	YY
Enter total expenditure if known  (2018LWSHelp.htm#F4.b.ExpenditureUnknown)	YY	YY	YY	<input checked="" type="checkbox"/>	YY

5. Provide the name of a contact person at your organization for water loss control programs (First Name, Last Name): Mitchell J. Freeman

Comments on real loss reduction measures employed (publicly available) YY

**COMMENTS (Note: Comments will be made publicly available):** (2018LWSHelp.htm#Comments) YY

## 15. EMERGENCY PREPAREDNESS AND RESPONSE

### A. EMERGENCY RESPONSE PLANS

PUBLIC WATER SYSTEMS WITH AT LEAST 3,300 OR MORE PERSONS SHOULD REVIEW AND REVISE THEIR EMERGENCY RESPONSE PLAN TO ENSURE THAT THE PLANS ARE SUFFICIENT TO ADDRESS POSSIBLE DISASTER SCENARIOS.

Do you have an Emergency Response Plan (ERP) that addresses the procedures for the restoration of water service for your water system?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
Date of your current Emergency Response Plan:	<input type="text" value="01/18/2016"/>
Date ERP was last exercised with a tabletop or other activity:	<input type="text" value="10/28/2017"/>

### B. AUXILIARY POWER SUPPLY

Does your water system have backup power for:	
1. Sources:	<input type="radio"/> --Pick one-- <input type="radio"/> All <input type="radio"/> Some <input type="radio"/> None <input type="radio"/> Not Applicable
2. Pumping Stations:	<input type="radio"/> --Pick one-- <input type="radio"/> All <input type="radio"/> Some <input type="radio"/> None <input type="radio"/> Not Applicable
3. Water Treatment Plants:	<input type="radio"/> --Pick one-- <input type="radio"/> All <input type="radio"/> Some <input type="radio"/> None <input type="radio"/> Not Applicable
If your system has backup power, how many times per year is it exercised?	<input type="text" value="6"/>
Can your system maintain system pressure either by backup power or by storage during power outages of 2 hours or less?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
Is your backup power system automatic or manual start?:	<input type="radio"/> --Pick one-- <input type="radio"/> Automatic <input checked="" type="radio"/> Manual Start <input type="radio"/> Not Applicable

**COMMENTS (Note: Comments will be made publicly available):**  (2018LWSHelp.htm#Comments)

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### 16. WATER CONSERVATION AND DROUGHT PREPAREDNESS



Please list any other long term actions you are considering or planning:

Date of your revised Drought Preparedness Plan or Water Shortage Contingency Plan, if any:	<input type="text" value="08/01/2001"/>
Units of Measure for this section:  (2018LWSHelp.htm#UOM)	<input type="radio"/> --Pick one-- <input type="radio"/> Gallons <input type="radio"/> Million Gallons <input checked="" type="radio"/> Acre-feet(AF) <input type="radio"/> 100 cubic feet
If you experienced water shortages in 2018, please estimate the amount of shortfall in units selected for this section:	<input type="text" value="YY"/>
How many water-shortage response stages are in your drought plan? For "non-applicable", enter zero.	<input type="radio"/> --Pick one-- <input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8+
Did drought conditions cause you to activate emergency standby wells in 2018?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable (no wells)
Do you project water shortages in the current calendar year?  (2018LWSHelp.htm#WaterShortages)	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
Did you implement NEW water conservation measures in 2018?  (2018LWSHelp.htm#NewWaterConservationMeasure)	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No
If you implemented NEW water conservation measures in 2018, please estimate how much water was conserved  (2018LWSHelp.htm#EstimateWateConserved) <input type="text" value="YY"/> volume of water in units selected for this section <input type="text" value="YY"/> % reduction in demand	
Do you anticipate having to go to mandatory rationing in the upcoming year?	<input type="radio"/> --Pick one-- <input type="radio"/> Yes <input type="radio"/> No

(Check as applicable)

- Rate structure (e.g., block tiers, water budgets, or rate surcharges above base rates for excessive water use)
- Excessive water use ordinance, rule, or tariff condition
- Not implementing
- Not applicable: not an urban retail water supplier (2018LWSHelp.htm#SB814)


Identify the method your water system uses to discourage excessive water use in support of SB 814 (2016) : (2018LWSHelp.htm#SB814)

COMMENTS REGARDING SB 814 (Note: Comments will be made publicly available) : (2018LWSHelp.htm#SB814)

COMMENTS (Note: Comments will be made publicly available): [\(2018LWSHelp.htm#Comments\)](#) YY

- Intro
- Contacts
- Population
- Connections
- Sources
- Water Supplied
- Water Rates and Deliveries
- Water Quality
- Backflow
- Certification
- Improvements
- Complaints
- Recycled
- Treatment
- Distribution
- Emergency
- Conservation
- Climate Change
- LSLR
- Finalize

## 17. CLIMATE CHANGE ADAPTATION AND RESILIENCY FOR WATER UTILITIES

 Per Waterboard Resolution 2017-0012, dated 3/7/17, water system inspections are required to address climate change impacts & concerns.

### ONLY FOR COMMUNITY WATER SYSTEMS

Your water system classification is: [Community Water System](#) [\(2018LWSHelp.htm#CCCommunityOnly\)](#)

If you have questions about completing this section of the report, please contact [Joseph.Crisologo@waterboards.ca.gov](mailto:Joseph.Crisologo@waterboards.ca.gov) or call (818) 551-2046.

<b>A. CLIMATE THREATS</b>									
What climate-related impacts are of concern for your water system (check all that apply)? <a href="#">(2018LWSHelp.htm#ClimateThreats)</a> <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Groundwater Depletion <input type="checkbox"/> Water Quality Degradation <input type="checkbox"/> Flooding <input type="checkbox"/> Sea Level Rise <input type="checkbox"/> Extreme Heat <input type="checkbox"/> Fire <input type="checkbox"/> Other <input type="checkbox"/> None or N/A									
<b>B. SENSITIVITY AND MAGNITUDE OF IMPACTS</b>									
Qualitatively assess climate change sensitivity of your facilities, and criticality or consequence of disruption. Consider identified climate threats using past experience, and expert judgement based on the magnitude of expected change and extreme events in the future. You do not need numeric answers. USEPA provides a risk assessment tool, called CREAT, to help utilities identify which environmental changes can impact water supply: <a href="https://www.epa.gov/crwu/build-resilience-your-utility">https://www.epa.gov/crwu/build-resilience-your-utility</a> . ( <a href="https://www.epa.gov/crwu/build-resilience-your-utility">https://www.epa.gov/crwu/build-resilience-your-utility</a> ) More resources are available that may help you complete this section. <a href="#">(2018LWSHelp.htm#SensiMagnitude)</a>									
<b>Drought   Groundwater Depletion</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">Decreased water storage (low lake and reservoir levels)</td> <td style="padding: 5px;">                             Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input type="radio"/> None to Low Sensitivity                         </td> </tr> <tr> <td style="padding: 5px;">Groundwater depletion (increased extraction, reduced groundwater recharge, etc.)</td> <td style="padding: 5px;">                             Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input type="radio"/> None to Low Sensitivity                         </td> </tr> <tr> <td style="padding: 5px;">Change in seasonal runoff and/or loss of snowmelt</td> <td style="padding: 5px;">                             Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input type="radio"/> None to Low Sensitivity                         </td> </tr> <tr> <td style="padding: 5px;">Region relies on water diverted from the Delta, imported from the Colorado River, or other climate-sensitive area</td> <td style="padding: 5px;">                             Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input type="radio"/> None to Low Sensitivity                         </td> </tr> </table>	Decreased water storage (low lake and reservoir levels)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity	Groundwater depletion (increased extraction, reduced groundwater recharge, etc.)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity	Change in seasonal runoff and/or loss of snowmelt	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity	Region relies on water diverted from the Delta, imported from the Colorado River, or other climate-sensitive area	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
Decreased water storage (low lake and reservoir levels)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity								
Groundwater depletion (increased extraction, reduced groundwater recharge, etc.)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity								
Change in seasonal runoff and/or loss of snowmelt	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity								
Region relies on water diverted from the Delta, imported from the Colorado River, or other climate-sensitive area	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity								

<b>Water Quality Degradation</b>	Salt-water intrusion into aquifers	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Altered water quality during storm events (turbidity shifts, debris flows)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Surface water quality issues related to eutrophication, algal blooms, invasive species	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
<b>Flooding   Sea Level Rise</b>	High flow events and flooding	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Inundation due to sea level rise, high tides, and/or coastal storm surges	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Aging flood protection infrastructure (levees), or insufficient impoundment capacity	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
<b>Extreme Heat</b>	Peak demand volume surges (due to extreme heat, temperature trends, etc.)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Increases in agricultural water demand or energy sector needs	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity

<b>Fire   Other Impacts</b>	Increased fire risk and altered vegetation, e.g., wildfires	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Disruption of power supply	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Other <input type="text" value="YY"/>	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity

**C. ADAPTATION MEASURES**

Identify measures to increase resiliency and reduce vulnerabilities based on identified water system sensitivities. Indicate status for all projects that your organization has completed or plans to implement to increase resiliency of the water system to climate change? Adaptation measures planned or achieved for reasons other than climate change should be put in the "Other" box along with the reason for the measure. USEPA's Adaptation Strategies Guide for Water Utilities provides examples of adaptation: <https://www.epa.gov/crwu/learn-how-plan-extreme-weather-events> (<https://www.epa.gov/crwu/learn-how-plan-extreme-weather-events>) (2018LWSHelp.htm#AdaptationMeasures)

Install new and deeper drinking water wells, or modify existing wells to increase pumping capacity	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Develop local supplemental water supply, enhanced treatment, or increased storage capacity (e.g. recycled water, storm runoff for groundwater recharge, desalination, new reservoir)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Interconnection with other utilities (transfers, mutual aid agreements with neighboring utilities)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

Relocate facilities, construct or install redundant facilities	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Modify facilities (e.g., install barrier or levee, raise a wall, seal a door, elevate construction)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Conservation measures (demand management, enhanced communication and outreach)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Fire prevention – brush management, partnerships	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Alternative or backup energy supply	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
On-site energy generation	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

<p>Enhance monitoring program, budget for additional testing and treatment, chemicals</p>	<p>Choose an item</p> <p><input type="radio"/> --Pick one--</p> <p><input type="radio"/> Completed</p> <p><input type="radio"/> In Progress</p> <p><input type="radio"/> Plan to Implement</p> <p><input type="radio"/> Will not Implement</p> <p><input type="radio"/> N/A</p>
<p>Other <input type="text" value="YY"/></p>	<p>Choose an item</p> <p><input type="radio"/> --Pick one--</p> <p><input type="radio"/> Completed</p> <p><input type="radio"/> In Progress</p> <p><input type="radio"/> Plan to Implement</p> <p><input type="radio"/> Will not Implement</p> <p><input type="radio"/> N/A</p>

COMMENTS (Note: Comments will be made publicly available):  (2018LWSHelp.htm#Comments)

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

## 18. LEAD SERVICE LINE REPLACEMENT



### ONLY FOR COMMUNITY WATER SYSTEMS

Your water system classification is:

Section 116885 of the California Health and Safety Code, Lead Service Lines in Public Water Systems, added to the Health and Safety Code by Senate Bill 1398 (2016) and amended by Senate Bill 427 (2017), requires all community water systems (CWS) to compile an inventory of known partial or total lead user service lines in use in its distribution system by July 1, 2018. All CWSs will need to provide DDW an inventory form through this 2018 electronic annual report (eAR) explaining how the inventory was determined and the results. DDW is utilizing this 2018 electronic annual report (eAR) to gather and update this information.

**IMPORTANT:** In the 2017 electronic Annual Report, all CWSs were required to submit the lead service line inventory to the DDW. The INVENTORY TABLE below were PRE-FILLED with information provided in the 2017 eAR, please review the table below and take this opportunity to make changes and update your inventory. All pipe materials that does not apply to your system must not be left blank. You must enter zero, otherwise errors will be generated at the end of the eAR report.

The inventory must include all user service lines that are active and those that are reasonably expected to become active in the future. Also, Section 116885 requires that CWS identify areas that may have lead user service lines in use, and/or identify any areas within the CWS distribution system that the CWS cannot identify the material that is being used for the service line. If a CWS indicates the existence of lead user service lines or unknown material user service lines or lead/unknown fittings associated with user service lines, by July 1, 2020, the CWS will need to submit to DDW a timeline to replace all lead and unknown material user service lines. Please include the updated information on your user service line inventory below so DDW can track the progress of your system. For additional information, please visit

[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html)  
 ([https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html))

If you have questions about completing this section of the report, please contact David.Pimentel@Waterboards.ca.gov or call (916) 323-0572.

If your water system is a wholesaler and your system contain no user service lines, you are not required to complete this form: Please check this box:

Date lead service line inventory was completed (MM/DD/YYYY):

### A. User service line inventory:

"User service line" means the pipe, tubing, and fittings connecting a water main to an individual water meter or service connection.

Pipe Material	Estimated Number of Service Lines (Enter "0" if none)	Estimated Total Length of Service Lines (In feet), if applicable
A. Lead	0	0
B. Unknown material	0	0
C. Copper	10588	
D. Cast iron (ductile pipe)	0	
E. Ductile iron	0	
F. Galvanized steel	1862	
G. Polyvinyl chloride (PVC)	0	
H. Polyethylene (PE)	0	
I. High density polyethylene (HDPE)	1802	
J. Polybutylene (PB)	0	
K. Transite/asbestos cement	0	
<b>L. Other materials not listed above:</b>		
Identify material 1	YY	YY
Identify material 2	YY	YY
Identify material 3	YY	YY
Identify material 4	YY	YY
Total number of service lines inventoried* (calculated field)	14252	
Total number of service connections from Section 3 of the EAR	14310	
<b>Fittings or fittings connecting a water main:</b>		
M. <u>Lead fittings NOT</u> on a lead pipe(e.g., goosenecks, pigtails, and corporation stops)	0	
N. <u>Lead fittings ON</u> a lead pipe (e.g., goosenecks, pigtails, and corporation stops)	0	
O. <u>Fittings of unknown material</u> (e.g., goosenecks, pigtails, and corporation stops)	0	
<b>Total number of lead service lines**</b> (calculated field)	0	

**B. Method(s) used to prepare the lead service line inventory in Part A (check all that apply):**

- Method Tap Tap Cards or tickets from initial service installation
- Method Plans Plans from water main installation, rehabilitation, and replacement
- Method Records Records indicating when buildings were constructed
- Method Meter Meter replacement records
- Method ^Distribution Distribution maps, drawings, or GIS
- Method Visual Visual confirmation of pipe material by plumbers or utility crews during maintenance or installation activities
- Method Interviews Interviews with water system personnel and/or past employees
- Method Field Field investigations
- Method Other Desc Other (describe below):  
YY

Intro	Contacts	Population	Connections	Sources	Water Supplied	Water Rates and Deliveries	Water Quality	Backflow		
Certification	Improvements	Complaints	Recycled	Treatment	Distribution	Emergency	Conservation	Climate Change	LSLR	Finalize

**Disclosure: Be advised that Sections 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purposes of compliance may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that the violation**

**continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of the violation, or be imprisoned in county jail not to exceed one year, or both the fine and imprisonment.**

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DRAFT

**LARGE WATER SYSTEM  
2019 ANNUAL REPORT TO THE DRINKING WATER PROGRAM  
FOR YEAR ENDING DECEMBER 31, 2019  
[Section 116530 Health & Safety Code]**

WATER SYSTEM INFORMATION	
Water System No.:	CA3310022
Water System Name:	LAKE HEMET MWD
Water System Ownership (See descriptions below):	Local Government ▼
Physical location: (address line 1, address line 2, city, zip) Note: <b><i>NO</i></b> P.O. Box	26385 Fairview Ave.  HEMET 92544
General Office Phone:  (with area code)	
Web site address:	www.lhmwd.org

BOXES COLORED YELLOW ARE MANDATORY QUESTIONS AND MUST BE ANSWERED TO COMPLETE THIS REPORT

Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

**COMMUNITY WATER SYSTEMS ONLY**

Your water system classification is:

*IF YOU ARE NOT A COMMUNITY WATER SYSTEM, SKIP THIS SECTION*


**CERTIFICATION FOR REDUCTION OF ANNUAL FEES FOR PUBLIC WATER SYSTEMS SERVING A DISADVANTAGED COMMUNITY (DAC) **

By checking this box, you are a community water system who would like to request a fee reduction and is serving a DAC as defined in Title 22, Division 4, Chapter 14.5, section 64300 of the California Code of Regulations OR has previously submitted documentation to the State Water Resource Control Board certifying that you are serving a DAC.

**To request a DAC fee reduction or to continue receiving** a reduced annual fee you must complete a [DAC certification form](#) and upload the form to the "DAC" tab for the State Water Resources Control Board to review.

Click [HERE](#) for instructions on how to upload your completed DAC certification form. To upload a DAC Certification Form, click [HERE](#)

If you have questions about completing this section of the report, please contact the Program Liaison Unit at DDW-PLU@waterboards.ca.gov or call (916) 449-5158.

REPORT SUBMITTED BY: 	
Note: Your name and title, email address, and work phone number are disclosable report information that may be obtained through the Public Records Act.	
Name:	Will Carter
Title:	Operations and Maintenance Manager
Work phone:	951-658-3241

Cell phone:	
Email address:	kaguilar@lhmwd.org

Please be aware that all comment boxes throughout this electronic annual report will be made publicly available WITH THE EXCEPTION of the comment box below. Only Waterboard staff and other people with your water system's DRINC login credentials will have access to this comment box. You are encouraged to provide any comments that you believe may help improve this annual report process.

**PRIVATE COMMENTS:** [?](#) Jurisdiction of LHMWD combine parts of Hemet/San Jacinto and unincorporated Riverside County.

## 1. Public Water System Contacts [?](#)

[Click here](#) to learn how to Modify, Add and Delete Contacts in the table below.

**IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.**

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.

PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank.

Only the BUSINESS phone type will appear in Drinking Water Watch (<https://sdwis.waterboards.ca.gov/PDWW/>), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

EXISTING CONTACTS					
NAME, TITLE & ADDRESS	PHONE TYPE <a href="#">?</a>	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply) <a href="#">?</a>	
<b>GOW, MIKE</b> GENERAL MANAGER P.O. Box 5039 26385 Fairview Ave. HEMET CA 92544	Business	951-658-3241	mgow@lhmwd.org	<input type="checkbox"/> <b>** Delete Contact **</b>	<input type="checkbox"/> Operator
	Home			<input checked="" type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile			<input checked="" type="checkbox"/> Financial	<input checked="" type="checkbox"/> Water Quality
	Mobile	951-230-5491		<input type="checkbox"/> Designated Operator In Charge	<input checked="" type="checkbox"/> Legal
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
				<input type="checkbox"/> Funding	
<b>FRANKFORTER, KRISTEN</b> WATER QUALITY TECH P.O. Box 5039 26385 Fairview Ave. HEMET CA 92544	Business	951-658-3241	kfrankforter@lhmwd.org	<input type="checkbox"/> <b>** Delete Contact **</b>	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile	951-766-7031		<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Water Quality
	Mobile	310-706-8547		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
				<input type="checkbox"/> Funding	
<b>BILLINGER, KATHLEEN</b> EXEC. TREASURER P.O. Box 5039 26385 Fairview Ave HEMET CA 92544	Business	951-658-3241	kbillinger@lhmwd.org	<input type="checkbox"/> <b>** Delete Contact **</b>	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	<input type="checkbox"/> Emergency
	Facsimile	951-766-7031		<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Water Quality
	Mobile	951-533-6860		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Legal
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Contract Operator
				<input type="checkbox"/> Funding	

CARTER, WILL	Business	951-658-3241	wcarter@lhmwd.org	<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	
O&M MANAGER	Facsimile			<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
P.O. Box 5039 26385 Fairview Ave	Mobile	951-929-1098		<input checked="" type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
HEMET CA 92544	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

	Business	951-658-3241		<input checked="" type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	
Construction Manager	Facsimile			<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
P.O Box 5039 26385 Fairview Ave	Mobile	951-204-6427		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
Hemet CA 92544	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

	Business			<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	
	Facsimile			<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
	Mobile			<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

	Business			<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	
	Facsimile			<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
	Mobile			<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

	Business			<input type="checkbox"/> ** Delete Contact **	<input type="checkbox"/> Operator
	Home			<input type="checkbox"/> Administrative	
	Facsimile			<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
	Mobile			<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
	Emergency			<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

NEW CONTACTS

Add Additional Contact				(pick all that apply)	
Andy Forst	Business	(951)658-3241	aforst@lhmwd.org	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Construction Manager	Home			<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
PO Box 5039 26385 Fairview Ave	Facsimile		XXXXXX@XXXXXX.XXX	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
Hemet CA 92544	Mobile	(951)204-6427		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<b>Add Additional Contact</b>				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999	XXXXXX@XXXXX.XXX	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1--	Facsimile	(999) 999-9999	XXXXXX@XXXXX.XXX	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
--Address Line 2--	Mobile				
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<b>Add Additional Contact</b>				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999	XXXXXX@XXXXX.XXX	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1--	Facsimile	(999) 999-9999	XXXXXX@XXXXX.XXX	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
--Address Line 2--	Mobile				
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator
<b>Add Additional Contact</b>				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999	XXXXXX@XXXXX.XXX	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
--Title--	Home	(999) 999-9999		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
--Address Line 1--	Facsimile	(999) 999-9999	XXXXXX@XXXXX.XXX	<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Water Quality
--Address Line 2--	Mobile				
--City-- --ST-- 99999	Emergency	(999) 999-9999		<input type="checkbox"/> Owner	<input type="checkbox"/> Legal
				<input type="checkbox"/> Funding	<input type="checkbox"/> Contract Operator

**COMMENTS (Note: Comments will be made publicly available):**

**2. POPULATION SERVED**

Permanent population or number of long-term residents*:	52913
---------------------------------------------------------	-------

\*Long-term resident means someone who resides within the water system service area for more than half of the year.

Method used to determine population:	Most recent United States census data
--------------------------------------	---------------------------------------

If permanent population is based on "Other" , identify the methods or sources of how it was estimated::

Seasonal Maximum Population (If applicable):	
----------------------------------------------	--

Provide season :

Begin Date		End Date	
MM	DD	MM	DD

List the names of communities served by the system identifying both incorporated and unincorporated areas:

**COMMENTS (Note: Comments will be made publicly available):** [?](#)

### 3. NUMBER OF SERVICE CONNECTIONS (as of December 31, 2019)

#### A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:	14310
------------------------------------------------------------------------------------------	-------

The total number of Service Connections as of December 31, 2019 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

TYPE	Potable Water		
	Unmetered	Metered	Total*
<b>Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward "service connections" for compliance purposes.</b>			
<u>Single-family Residential:</u> single family detached dwellings	0	13267	13267
<u>Multi-family Residential:</u> Apartments, condominiums, town houses, duplexes and trailer parks	0	483	483
<u>Commercial/Institutional:</u> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels, churches, campgrounds	0	430	430
<u>Industrial:</u> All manufacturing	0	4	4
<u>Landscape Irrigation:</u> Parks, play fields, cemeteries, median strips, golf courses	0	77	77
<u>Agricultural Irrigation:</u> Irrigation of commercially-grown crops	0	49	49
<b>Total Active Connections*</b>	<b>0</b>	<b>14310</b>	<b>14310</b>

\*Calculated field

To update totals click here

If the connection categories below include some portion of residential connections, please check the boxes below:

- Commercial/Institutional
- Industrial
- Landscape Irrigation

#### B. Number of Inactive Connections (all types)

Include only service connections that have been physically disconnected (e.g., meter removed) from the water system. All other service connections should be considered as "Active."

**C. Outdoor or Indoor meters/submeter**

Only **Urban Water Suppliers** answer the questions below

Does your water system keep records on outdoor irrigation meters or commercial, institutional, or industrial indoor submeters?

If “no”, skip questions C1-C4 in this section and question 6B2 in Section 6B, Deliveries.

C1. Number of NON-residential customers that have dedicated outdoor irrigation meters (excluding agricultural connections)	
----------------------------------------------------------------------------------------------------------------------------	--

C2. Number of Single-Family Residential customers with dedicated outdoor irrigation meters?

C3. Number of Multi-Family Residential customers with dedicated outdoor irrigation meters?

C4. Number of Commercial, Institutional and Industrial customers with indoor submeters?

<b>COMMENTS (Note: Comments will be made publicly available):</b>
-------------------------------------------------------------------

**4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES**

Type	Total No. Active	Total No. New/ Added in 2019	Total No. Inactivated in 2019	Total No. Destroyed in 2019
Active Groundwater Intakes (Wells)	10	0	0	0
Active Surface Water Intakes (Raw)	0	0	0	0
Active Purchased Water (GW) Connections	2	0	0	0
Active Purchased Water (SW) Connections	0	0	0	0
Standby Sources <sup>1</sup>	0	0	0	0
Emergency Interconnections	1	0	0	0
Inactive Sources <sup>2</sup>	3		0	0

Are your active water sources metered?

Do you routinely monitor the *static* water levels in your wells?

Do you routinely monitor the *pumping* water levels in your wells?

Are these levels recovering, declining or steady?:

<sup>1</sup>If a standby source was used in 2019, provide the following information.

Name of the Standby Source used in 2019:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was the Division of Drinking Water notified? (Y/N)	Describe the reason the Standby Source was used:

<sup>2</sup>Inactive sources are not approved as sources of supply and must be physically disconnected or similarly isolated.

<b>COMMENTS (Note: Comments will be made publicly available):</b>
-------------------------------------------------------------------

## 5. WATER PRODUCED, PURCHASED AND SOLD

The **Maximum Day** is the day during 2019 with the highest total water usage. Provide the *date* for that day in Column B, then complete Columns C, D and E, indicating how much of the water on that day was from each source.

### Important Note Concerning Recycled Water Questions:

The California Water Code Section 10609(c)(4) states: “The state should identify opportunities for streamlined reporting, eliminate redundant data submissions, and incentivize open access to data collected by urban and agricultural water suppliers.”

It has come to the Division of Drinking Water’s attention that, between this Electronic Annual Report and other reports, some public water systems experience (at least some) redundant reporting of recycled water information to the Division of Drinking Water.

If some or all of the quantities are reported elsewhere, check this box: . Answer any questions below that are not reported elsewhere and leave the reported quantities blank in the table. Please note in the comments where these quantities were reported.

Leave recycled water cells blank ONLY IF it is reported elsewhere on other reports indicated below, otherwise enter zero or the actual figure.

Name of report(s) containing the information requested in this Electronic Annual Report for reporting year 2019:

Regulatory entity receiving the report(s), contact name, and phone number:

Units of Measure for tables in Section 5A:

Volumes are based on:

Table 5A: Water Produced, Purchased, and Sold

A	B	C	D	E	F	G	H	I
Potable Water							Non-potable (exclude recycled) <sup>6</sup>	Recycled <sup>7</sup>
	Date/ Month	Water Produced from Groundwater (Wells)	Water Produced from Surface Water <sup>2</sup>	Potable Water Received from another PWS <sup>5</sup>	Total Amount of Potable Water <sup>3*</sup>	Water Sold to Another PWS <sup>5</sup>		
Check here if no production for every month		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maximum Day <sup>1</sup>	07/29	32			32			
January		407.90	0	0	407.9	0	0	0
February		323.25	0	0	323.25	0	0	0
March		392.64	0	0	392.64	0	0	0
April		578.84	0	0	578.84	0	0	0
May		574.70	0	0	574.7	0	0	0
June		734.12	0	17.43	751.55	0	0	0
July		876.14	0	22.48	898.62	0	0	0
August		930.36	0	16.50	946.86	0	0	0
September		831.01	0	0	831.01	0	0	0
October		748.48	0	.03	748.51	0	0	0
November		602.24	0	0	602.24	0	0	0
December		400.68	0	0	400.68	0	0	0
Annual Total*		7400.36	0	56.44	7456.8	0	0	0
Percent Treated <sup>4</sup>								

PWS = Public Water System

\*Calculated field

Non-potable = water supplies, except recycled water, that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation

Recycled = domestic wastewater which as a result of treatment is suitable for uses other than potable use such as irrigation or toilet flushing

<sup>1</sup>Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

<sup>2</sup>Do not include raw water purchased; report only volume of water that was treated.

<sup>3</sup>(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. Total water production includes water that is sold to another water system. To update, click below

[To update totals click here](#)

<sup>6</sup> Non-potable = water supplies, except recycled water, that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation

<sup>7</sup> Recycled = domestic wastewater which as a result of treatment is suitable for uses other than potable use such as irrigation or toilet flushing. The recycled water collected in this table should be the non-potable recycled water which is used to substitute potable water or untreated surface and well water. If the recycled were not available, potable or untreated surface and well water needs to be used. Example, a landscape used to be irrigated using potable water but now using recycled water.

<sup>4</sup>This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection and fluoridation.

<sup>5</sup>If water was Purchased/received from or Sold/delivered [?](#) to another PWS, complete the table below:

Specify whether water was <i>Purchased or Sold or Transferred</i>	Name of PWS
Purchased	Eastern Municipal Water District

If recycled water was *supplied to your water system's customers* [?](#), complete the table below:

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier

**COMMENTS (Note: Comments will be made publicly available):** [?](#)

## 6. WATER RATES, AFFORDABILITY, AND FINANCES

### A. WATER RATES [?](#)

Does your water system charge customers for water (residential, commercial, industrial, or institutional water customers)?

If yes, complete Section 6A. If no, explain why:

Comments (if "other" selected above):  
If you do not have water rates, go to **Section 6B, Deliveries.**

If you have questions about completing this section of the report, please contact [Mary.Yang@Waterboards.ca.gov](mailto:Mary.Yang@Waterboards.ca.gov), 916-322-6507

### A1. RESIDENTIAL WATER RATES



Complete this section if you have residential water rates. If no, mark this box:  and [go to Section A6, Non-residential Water Rates.](#)

If you are a water supplier without water rates, check this box , then move to [Section 6B Water Deliveries.](#)

A1.a. Indicate the type of residential water rate structure [?](#) used by your water system (select those that apply):

**Base Rate – (Non-Volumetric Rates) [?](#)**

- Fixed Base Rate - Basic or fixed charge that is the same for all customers regardless of use.
- Variable Base Rate - Basic charge is different for customers depending on size of pipe, water meter, elevation, peak use, or other factors.

**Usage Rate (Volumetric Rates) [?](#)**

- Uniform Usage Rate - The charge per 100 cubic feet of water is the same regardless of use.
- Variable Usage Rate - Increasing Block or Tier Rate. The charge per 100 cubic feet or other increment of water increases as water use increases.

**Other Rates**

- Flat Rate (often unmetered)- One rate for providing drinking water regardless of the volume of water used, not combined with a usage rate. [?](#)

If you have a Flat Rate, please skip questions A1.d, A1.e, A1.g, A1.h. Enter your flat rate in A3.

- Allocation Based [?](#)
- Other rate structure (specify your rate structure in the comment box, provide a weblink [lj](#) below)

A1.b. Comments on rate structure (Note: Comments will be made publicly available):

A1.c. What is your billing frequency?	monthly <a href="#">?</a>
A1.d. If charges change with different levels of water consumption or features, what is the number of tiers or levels of charges for single-family customers? <a href="#">?</a>	3 <a href="#">?</a>
A1.e. If charges change with different levels of water consumption or features, what is the number of tiers or levels of charges for multi-family customers? <a href="#">?</a>	3 <a href="#">?</a>
A1.f. Mark below any variances or factors used to determine or adjust residential water rates or water allocations. <a href="#">?</a>	
<input type="checkbox"/> Agricultural use (non-commercial or commercial)	
<input type="checkbox"/> Drought factor <a href="#">?</a>	
<input checked="" type="checkbox"/> Elevation	
<input type="checkbox"/> Evaporative Coolers	
<input type="checkbox"/> Fire protection - water to irrigate vegetation	
<input type="checkbox"/> Home-based business	
<input type="checkbox"/> Livestock or large animals	
<input type="checkbox"/> Lot size	
<input type="checkbox"/> Medical needs	
<input type="checkbox"/> Meter size	
<input type="checkbox"/> Mitigation of high levels of total dissolved solids	
<input type="checkbox"/> Occupancy (All-year)	
<input type="checkbox"/> Occupancy (Seasonal)	
<input type="checkbox"/> Pressure zone	
<input type="checkbox"/> Soil compaction and dust control	
<input type="checkbox"/> Supplement ponds and lakes to sustain wildlife	
<input type="checkbox"/> Other :	
<input type="checkbox"/> None of the above	
A1.g. Units of Measure (UOM) for this table on Residential Water Rates: <a href="#">?</a>	Hundred Cubic Feet <a href="#">?</a>

A1.h. Table on Residential Water Rates, Single-family [?](#) and Multi-family [?](#)

If your water system uses an allocation or flat base rate structure, add a direct weblink to more information on your [rate structure \(A1.k or A1.l\)](#), provide information in the box [“Comments on Residential Rate Structure”\(A1.m\)](#), and leave this table blank.

**Provide information on residential water rates based on consumption.** If a feature of your rate structure, (e.g., meter size, elevation, or other) affects water rates, provide the water rate associated with the most common situation. Enter zero “0” if not applicable. [See examples](#)

**Single-family Rates**

Upper volume of water [?](#)  
included  
in base rate in Units of  
Measure (UOM)

Cost per Billing Period  
(Dollars)

**Multi-family Rates**

Upper volume of water [?](#)  
included  
in base rate in Units of Measure  
(UOM)

Cost per Billing Period  
(Dollars)

If there is no base rate or volume of water associated with a base rate, enter the number zero "0".

If there is no base rate or volume of water associated with a base rate, enter the number zero "0".

**Base Rate (non-volumetric rates)**

30.73	30.73	0	30.73
-------	-------	---	-------



(Lower level instead of higher level)  
The rows that follow do not include a base rate or fixed charge.

Usage Rate (volumetric rates)	Lower level of water volume for each level in UOM	Cost per UOM (Dollars)	Lower level of water volume for each level in UOM	Cost per UOM (Dollars)
Rate Structure level 1	0	2.135		
Rate Structure level 2	6	2.339		
Rate Structure level 3	14	3.520		
Rate Structure level 4				
Rate Structure level 5				
Rate Structure level 6				
Rate Structure level 7				

A1.i. Date of most recent update to the rate structure (this does not include regularly scheduled rate changes, rather actual changes to your rate structure):  MM/DD/YYYY

A1.j. Describe the rate structure changes to rate changes that were made in the update:

A1.k. Provide a direct link to a web page that explains water rates and fees, if available.

A1.l. If a webpage with rate information is not available, Send an email ([click here](#)) with the document, **subject line: PWSID CA\_\_\_\_\_ and Rate Information**

A1.m. Comments on Residential Rate Structure. Explain allocation rate, if applicable.

**A2. RESIDENTIAL SERVICE CONNECTIONS**

A2.a. Select the most common single-family residential meter size:

A2.b. Select the most common multi-family residential meter size:

A2.c. What is, approximately, the service connection fee for a **single-family brand-new construction** based on the most common meter size listed above (\$)

A2.d. Date of most recent update to the new connection fee for a single-family brand-new construction:  MM/DD/YYYY

A2.e. What is the one-time fee or deposit needed to create a new water service account for an **existing single-family home** based on the most common meter size indicated above (\$)

A2.f. What is, approximately, the connection fee for a **multi-family brand-new construction** based on the most common meter size indicated above (\$)

A2.g. Check items included in new residential connection fees:

<input checked="" type="checkbox"/>	Existing infrastructure buy-in (e.g., water treatment/ conveyance/sewage treatment )
<input type="checkbox"/>	Upgrades to infrastructure (seismic retrofits, pipe replacements, etc.)
<input type="checkbox"/>	Storm water management system
<input type="checkbox"/>	Debt service charge
<input checked="" type="checkbox"/>	Development of new water supplies
<input type="checkbox"/>	Other :

A2.h. Comments on Residential Service Connections (publicly available):

**A3. AFFORDABLE DRINKING WATER**

**For each amount of water delivered to a single-family residential customer shown below, what is charged (in dollars) to a customer?**

For each of the three water volumes shown below, provide what would be the monthly water bill for a single-family residential customer. Enter the monthly Water Charges and Other Charges for each water volume. For example, if a single-family customer used 12 HCF in a month, the total bill would include water charges for using 12 HCF and other charges that are added to the bill. Other charges vary locally and may include property tax, city tax, utility users tax, services for fire suppression, waste water or sewer, stormwater or other non-water surcharges, electricity. If the "other charges" varies by certain features (e.g., by climate, lot size, landscaped area) use the lowest or most common charge in your calculation. Click the "Update Totals" button to

automatically add the charges together to show a Total Monthly Water Bill that a residential customer would pay when its household used the specified amount of water.

For water systems with an allocation rate (also called “budget rates”) see additional guidance [?](#)



To be consistent with California’s Human Right to Water Law and Conservation Law, the questions in this section ask for water charges associated with 6, 9, 12 and 24 hundred cubic feet (HCF) of water. Information on 9 HCF is new.

#### A3.a. 6 HCF [?](#)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	43.74	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	37.66	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	81.4	Dollars/month

#### A3.b. 9 HCF [?](#)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	50.76	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	37.66	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	88.42	Dollars/month

#### A3.b. 12 HCF [?](#)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	55.44	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	37.66	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	93.1	Dollars/month

#### A3.c. 24 HCF [?](#)

<b>Drinking Water Charges</b> (Fixed and variable water charges)	96.50	Dollars/month
<b>Other Charges</b> (e.g., property tax, fire suppression, waste water, other)	37.66	Dollars/month
<b>Total Monthly Water Bill</b> (Automatic sum of Water Charges and Other Charges)*	134.16	Dollars/month

\*If “Other Charges” varies, (e.g., by climate, lot size, landscaped area, or other features) use the lowest charge in your calculation.

Calculated field: To update calculated field, click button below

To update totals click here

A3.e. Describe what is included in “Other Charges” (mark those that apply).

- Property Tax
- City Tax or Fee
- Utility User Tax or Fee
- Fire Suppression or Fire Protection Services Tax or Fee
- Wastewater or Sewer Tax or Fee
- Stormwater Tax or Fee
- Electricity Tax or Fee
- Other non-water charges and fees that are included on water bills, explain below:  
Other:

A3.f. Comments on Affordable Drinking Water (publicly available):

#### A4. SHUT-OFFS [?](#)

Completing this section will fulfill State Water Resources Control Board requirements of Senate Bill 998 – Discontinuation of residential water service, which are mandatory as of April 1, 2020.

Click the “Update Totals” button to automatically add the Single Family and Multifamily Accounts

**Community Water Systems that have water rates and more than 200 connections must complete this section. If your community water system does not meet these criteria for completing this Section, then you must mark the boxes “did not collect information” below in order to avoid completion errors.**

If a water supplier tracks the number of services connections but did not collect information on whether residences were occupied or unoccupied at the time of disconnection, put the total number of disconnections in the “unknown accounts” column in the tables in this section.

If a water supplier does not differentiate between single-family or multi-family, then enter all information as single-family.

Click the “Update Totals” button to automatically sum the Single Family and Multifamily Accounts.

For section A4, select the reporting year for your answers [?](#):  [?](#)

#### Residential Shut-offs and Reconnections

A4. This section has several questions on water services. Are you able to provide information on drinking water services alone, or are water services combined with non-water services (e.g., electricity, trash removal services) so your responses cover more than just water services? [?](#)

Information for water services only

A4.a. How many accounts for residential service connections had their water shut off once during the year due to failure to pay?

If this information is only available for accounts that had their water shut off at least once, then check this box  and complete the table below and skip question A4.c

If there was no information collected for question A4.a, then mark this check box  and skip below table.

	Occupied Accounts	Unoccupied Accounts	Unknown Accounts <a href="#">?</a>	Total*
Single-Family Accounts	514	0	0	514
Multi-family Accounts	1	0	0	1

A4.b. What is the average amount owed at the time of shut-off? \$ 0 Mark the box if unknown

A4.c. How many accounts for residential service connections had their water shut off more than once during the year due to failure to pay?

If there was no information collected for question A4.c, mark this box  and skip below table.

	Occupied Accounts	Unoccupied Accounts	Unknown Accounts <a href="#">?</a>	Total*
Single-Family Accounts	3186	0	0	3186
Multi-Family Accounts	12	0	0	12

A4.d. What is the residential fee, including all administrative and processing fees, to restore drinking water service due to failure to pay during **operating hours**? [?](#)

Single-Family Accounts 50  
Multi-family Accounts 50

A4.e. What is the residential fee, including all administrative and processing fees, to restore drinking water service due to failure to pay during **non-operating hours**? [?](#)

Single-Family Accounts 150  
Multi-Family Accounts 150

A4.f. What was the median duration of the shut-offs (in days) for continuously occupied residential service accounts? [?](#)

If there was no information collected for question A4.f, mark the check box "Did not collect median duration of shut-offs (in days) for occupied residents"  and skip below table.

	Occupied Accounts	Unoccupied Accounts	Unknown Accounts <a href="#">?</a>
Single-Family Accounts	0		
Multi-Family Accounts	0		

A 4.g How many of these shut-offs are returned to service within one-day (or 24-hours)?

This answer covers:

A4.h. If you offer an extended repayment or other customer payment assistance plan, how many continuously occupied residential customer accounts participated?

Single-Family Accounts 2997  
Multi-family Accounts 0  
Total\* 2997

A4.i. How many of the continuously occupied residential accounts were shut off at least once during the year and were enrolled in an extended repayment plan or other customer payment assistance plan at the time of the service disconnection?

Single-Family Accounts 2867  
Multi-family Accounts 12  
Total\* 2879

\*Calculated field, to update calculated fields in this section, click button below

**The Water Shutoff Protection Act (SB 998, 2018)** requires community water systems that have more than 200 connections to have shutoff policies completed by April 1, 2020. Mark this box if your water system has less than 200 service connections

A4.j Provide a direct weblink to your shutoff policy as required by the Water Shutoff Protection Act:

https://www.lhmwd.org/files/Billing%20Procedure%20LHMWD.pdf

If your water agency doesn't have a website and for this reason is unable to post your shutoff policy, email your shutoff policy. [Send an email \(click here\)](#) with the document, Subject line: PWSID CA \_\_\_\_\_ and Shutoff Policy

A4.k. What is the number of residential accounts (single-family, multi-family, and mixed use that include residential) that were missing one or more required water bill payments at the end of your year? 453

**A4.l. For A4.k accounts, what is the sum of outstanding uncollected residential (single-family, multi-family, and mixed use that include residential) bills at the end of your most recent year?** 72647  Not determined

A4.m. Comments on Shut-offs (publicly available):

### A5. Affordable Drinking Water Assistance

For section A5, select the reporting year for your answers: Calendar Year (Jan-Dec 2019)

A5.a. Do you provide options for low-income assistance? If you selected "No", skip questions A5b-A5h. No

A5.b. If yes, how many residential accounts received the low-income subsidy? 0

A5.c. If yes, how was the program funded? 0

A5.d. How much funding was allocated to the program in 2019? 0

A5.e Does your program provide benefits to single-family only, or single-family and multi-family? (select answer)

--Pick one--

A5.f. What was the average benefit amount for a single-family account in one month?

Amount and Unit of Measure: 0 --Pick one--

A5.g. What was the average benefit amount for a multi-family account in one month?

Amount and Unit of Measure: 0 --Pick one--

A5.h If your system partners with an outside entity (e.g., United Way) to provide assistance to low income households, list the name of organization(s) and the amount of the benefit (in dollars) provided

Dollars provided: 0 Time Period: --Pick one--

A5.i. OTHER FORMS OF ASSISTANCE TO ALL RESIDENTIAL CUSTOMERS. What type of bill assistance was provided? (Check all that are applicable)

- Flexible or alternative Payment Terms Number of Accounts 0 Average Bill \$ 0  Information Not Collected or Not Offered
- Temporary Assistance Number of Accounts 0 Average Bill \$ 0  Information Not Collected or Not Offered
- Special Medical Need Number of Accounts 0 Average Bill \$ 0  Information Not Collected or Not Offered
- Other Please describe: Number of Accounts 0 Average Bill \$ 0

A5.j Do you have a process that can offer bill forgiveness under certain circumstance? No

If yes, Number of Accounts 0 Average Bill \$ 0  Information Not Collected

A5.k Comments on Affordable Drinking Water Assistance (publicly available):

### A6. NON-RESIDENTIAL WATER RATES

If you have non-residential water rates, complete this section. If no, mark this box:  and [go to Section 6B, Deliveries](#)

A6.a. Select the most common non-residential meter size: 1 inch

A6.b. What is your billing frequency for non-residential customers? monthly

A6. c. Does your water system use an allocation rate for non-residential accounts? No

If yes, skip table A6d. In the comment box A6.e provide a weblink to more information on the allocation rates.

A6.d. Complete the table below providing specific water rates applied to your **non-residential** customers:

Connection Type	BASE RATE (BR)	If BR + UUR, what is the volume allowed before UUR applies	UNIFORM USAGE RATE (UUR)	VARIABLE BASE RATE (provide range) (VBR)		VARIABLE USAGE RATE (provide range) (VUR)	
	\$		HCF	\$ per HCF	\$ Low	\$ High	\$ per

	(Base) ?					HCF Low	HCF High
Commercial							
Institutional							
Industrial							
Landscape Irrigation							
Agricultural Irrigation			2.19				
Other							

A6.e Comments on non-residential water rates (publicly available):

**B. WATER DELIVERIES**

Check this box  if your water system does not have monthly water deliveries data and skip the rest of Section B.

**Important Note Concerning Recycled Water Questions:**

The California Water Code Section 10609(c)(4) states: “The state should identify opportunities for streamlined reporting, eliminate redundant data submissions, and incentivize open access to data collected by urban and agricultural water suppliers.”

It has come to the Division of Drinking Water’s attention that, between this Electronic Annual Report and other reports, some public water systems experience (at least some) redundant reporting of recycled water information to the Division of Drinking Water.

If some or all of the quantities are reported elsewhere, check this box: . Answer any questions below that are not reported elsewhere and leave the reported quantities blank in the table. Please note in the comments where these quantities were reported.

Leave recycled water cells blank ONLY IF it is reported elsewhere on other reports indicated above, otherwise enter zero or the actual figure.

Name of report(s) containing the information requested in this Electronic Annual Report for reporting year 2019:

Regulatory entity receiving the report(s), contact name, and phone number:

Units of Measure (UOM) for this table: 100 cubic feet  ?

Provide monthly **metered** water deliveries for all water sources (potable and non-potable) in the table below. If you have partially metered or unmetered water deliveries, check the help tips for additional guidance as you may be able to provide information.

**Table 6B Water Deliveries** ? Before you begin, make sure that the water volume values entered in **Section 5A Water Supplied** and **Section 6B Water Deliveries** are consistent with each other and that they refer to the same population from **Section 2 Population** (“permanent population of number of long-term residents”).

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/ Institutional	Industrial	Landscape Irrigation	Other	Total Retail <sup>1</sup> *	Agricultural	Other PWS <sup>2</sup>
Check if no water is delivered or not applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	
January	136618	20876	12543	41	2699	0	172777	0	0
February	115845	20376	11020	15	1779	0	149035	0	0
March	101966	17179	8455	12	1170	0	128782	0	0
April	127083	17332	12564	18	1668	0	158665	0	0
May	187696	21444	25402	48	3923	0	238513	0	0

June	191762	21079	26072	180	4485	0	243578	0	0
July	240844	21587	31420	53	6004	0	299908	0	0
August	283112	24733	36029	97	7570	0	351541	0	0
September	272857	24687	37832	28	7590	0	342994	0	0
October	215746	22831	27700	25	5502	0	271804	0	0
November	208967	22492	27726	24	5360	0	264569	0	0
December	150813	23267	15679	18	2818	0	192595	0	0
Annual % recycled water	0	0	0	0	0	0		0	0
Annual % non-potable water	0	0	0	0	0	0		0	0
Total*	2233309	257883	272442	559	50568	0	2814761	0	0

PWS = Public Water System

\*Calculated field

<sup>1</sup>Total Retail = Sum of Columns (B) thru (G), automatically calculated. To update, click below

<sup>2</sup> "Other PWS" values are prefilled from the Section 5 Table, Column G

[To update totals click here](#)

B1. Mark boxes below:

If the delivery categories below include some portion of residential deliveries, please check the boxes below:

- Commercial/Institutional
- Industrial
- Landscape Irrigation

If you have questions about this please contact State Water Board staff by email at: [waterconservation@waterboards.ca.gov](mailto:waterconservation@waterboards.ca.gov). This information is being asked at this time to help staff estimate the impacts of SB 606 and AB 1668, as required for the regulatory process.

Only answer question B2 if your system is an Urban Water Supplier with dedicated outdoor irrigation meters [?](#)

B2. What is the annual volume of outdoor irrigation water used on landscape areas with dedicated irrigation meters in connection with commercial, institutional, and industrial (CII) water use?

- a. Unit of Measure
- b. Volume of water 0
- c. Water system does not collect this information (mark box if applies)

Comments [?](#)

B3. If known, indicate what percentage of total annual urban water deliveries (see column H in Table 6B) is used for irrigation of:

- a. Developed and natural parklands [?](#) 0
- b. Publicly maintained urban trees (outside of parklands) 0
- c. Water system does not collect this information (mark box if applies)

**COMMENTS (Note: Comments will be made publicly available):** [?](#)

## 7. WATER QUALITY



Date of Emergency Notification Plan:	12/26/2019
Is the Emergency Notification Plan up to date?	<input type="button" value="Yes"/> If no is selected, please upload a revised WQENP.

## DIRECT ADDITIVES

Pursuant to Section 64590, Title 22 of the California Code of Regulations, (effective January 1, 1994), all chemicals or products, including chlorine, added directly to the drinking water as part of a treatment process must meet the ANSI/NSF Standard 60. Please complete the following table for each chemical used by this water system. If you are not sure whether a chemical you are using meets this standard, contact the manufacturer or distributor of the chemical.

If you do not use any direct additives, put "NONE" in **each** column of the first row.

\*[Click here to upload an Excel spreadsheet](#) of your water system's Water Quality Direct Additives.\*

Name of Chemical	Name of Manufacturer	Purpose of using chemical	Chemical is ANSI/NSF Standard 60 certified (Y/N) <a href="#">?</a>	Use initiated in 2019 (Y/N) <a href="#">?</a>
Calcium Hypochlorite	Environmental Compliance Resources	Disinfection & Residual	Y	N
Sodium Hypochlorite	Hasa	Disinfection & Residual	Y	N

## INDIRECT ADDITIVES

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

Does your water system have procedures to ensure all future equipment and materials meet this standard?	<input type="button" value="Yes"/>
---------------------------------------------------------------------------------------------------------	------------------------------------

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

<b>COMMENTS (Note: Comments will be made publicly available):</b> <a href="#">?</a>
-------------------------------------------------------------------------------------

## 8. CROSS-CONNECTION CONTROL [?](#)

	Total Number in System in 2019 <sup>1</sup>	Number Installed in 2019	Number Tested in 2019 <sup>2</sup>	Number Failed in 2019	Number Repaired/ Replaced
Backflow Assemblies <a href="#">?</a> on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	605	3	604	103	109
Backflow Assemblies On-site but not on the Service Connections or Meter <a href="#">?</a> (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Air-gap Separation <a href="#">?</a>	0	0			

Notes:



<sup>1</sup> **Total Number in System in 2019** – Total number of active Backflow Prevention Assemblies including new devices installed in 2019, but excluding inactive devices.

<sup>2</sup> **Number Tested in 2019** – includes all active devices that were tested in 2019 and either passed or failed.

No. of <i>Inactive</i> Backflow Prevention Assemblies in water system in 2019		33	
Date of last cross-connection control survey done on the system: <u>If ongoing, enter the last day of the year, e.g., 12/31/2019</u>		12/23/2019	
Cross Connection Control Program Coordinator			
Name:		Ross Detwiler	
Certification Number:		10373	
Business Phone:	(951)658-3241	Email Address:	rdetwiler@lhmwd.org
Certification or training received: American Water Works Association			

Describe any cross-connection incidents that occurred during 2019:

We presently use our auto read water meters as a tool in cross connection control program to monitor any reverse flow or backflow conditions and have not had any incidents in 2019

<b>COMMENTS (Note: Comments will be made publicly available):</b>
-------------------------------------------------------------------

## 9. OPERATOR CERTIFICATION

A. Please list the State certified Water **Treatment Plant Operators** employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) .

Your Highest Treatment System Classification is: Classification is Unavailable

Check this box if your public water system has designated a Chief Treatment Operator.

Name of Chief Treatment Operator (First name Last name):

Grade of Chief Treatment Operator (1, 2, 3, 4 or 5):

Treatment Operator Number (4 or 5 digits):


Treatment Certification Expiration Date (MM/DD/YYYY):


\*[Click here to upload an Excel spreadsheet](#) of your water system's certified water treatment operators.\*

Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Treatment Operator Number (4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
William Carter	2	S	36350	07/01/2020
Michael L. Booth	2	S	16653	06/01/2022
Andrew C. Forst	2	S	22114	07/01/2020
Jeffrey S. McKee	2	X	24740	08/01/2022
David J. Wilke	2	S	23763	05/01/2022
Gregory Bagwell	1	S	24665	07/01/2020
Jeremy S. Unland	1	S	34166	02/01/2021
Christopher M. Pillow	1	S	35113	02/01/2022
Jorge Duran Mora	1	S	38528	07/01/2022
Hector M. Ambriz	1	S	42515	12/01/2021
Eric M. Libeu	1	S	42173	08/01/2021
Elliott M. Magdaleno	1	S	38541	07/01/2022

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

**Do your Chief and Shift Treatment Plant Operators have the minimum level required?**

B. Please list the State certified Water **Distribution System Operators** employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s) .

Your Distribution System Classification is: D5 .

Check this box if your public water system has designated a Chief Distribution Operator.

Name of Chief Distribution Operator (First name Last name): William Carter

Grade of Chief Distribution Operator (1, 2, 3, 4 or 5): 5

Distribution Operator Number (4 or 5 digits): 25557

Distribution Certification Expiration Date (MM/DD/YYYY): 08/01/2021

\*[Click here to upload an Excel spreadsheet](#) of your water system's certified distribution operators.\*

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Distribution Operator Number (4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
William Carter	5	C	25557	08/01/2021
Andrew C. Forst	5	S	9289	04/01/2021
Michael L. Booth	5	S	6113	06/01/2022
Jeffrey S. McKee	4	S	5905	04/01/2021
Dean M. Wade	4	S	19099	07/01/2021
Greg Bagwell	3	S	19094	01/01/2021
John A. Smith	3	S	26893	10/01/2020
Eric M. Libeu	3	S	30031	03/01/2022
Thomas L. Moses	3	S	30032	05/01/2022
Matt Park	3	X	30030	11/01/2022
Miguel J. Rodriguez	3	S	30038	01/01/2021
Hector M. Ambriz	3	S	16770	01/01/2022
Ryan H. Merrick	3	S	29019	10/01/2021
David J. Wilke	3	S	10344	09/01/2022
Jeremy S. Unland	3	S	39574	11/01/2021
Elliott Magdaleno	3	S	39404	03/01/2022
Ross W. Detwiler	2	S	30039	01/01/2021
Christopher M. Pillow	2	S	31407	12/01/2021
Geoffrey P. Wolever	2	S	16651	04/01/2020
Zeferino Fuentes	2	S	33499	11/01/2020
Steve Gates	2	S	46857	05/01/2022
Justin Smith	2	S	42332	10/01/2021
Jorge Duran Mora	2	S	47339	10/01/2022
Ernie Contreras	1	S	36069	04/01/2021
James E. Geller	1	S	31350	07/01/2021
Kristen Frankforter	1	X	46043	05/01/2022
Jason Venable	1	X	43229	11/01/2022

Thomas Chavarria	1	S	50983	12/01/2021
Michael K. Miller	1	S	50171	06/01/2021

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

Do your Chief and Shift Distribution System Operators have the minimum level required? Yes

COMMENTS (Note: Comments will be made publicly available): [?](#)

## 10. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
  - Adding a new source
  - Changing the status of an existing source (for example, active to standby) or
  - Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
  - Design capacity
  - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2019 for which a permit was not obtained, please describe the improvements or modifications below.

Indicate any planned improvements or modifications for 2020.

COMMENTS (Note: Comments will be made publicly available): [?](#)

## 11. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	4	4	0	flushed lines and advised on household plumbing maintenance
Color	3	3	0	flushed lines
Turbidity	5	5	0	flushed debris out of mains for particle complaints, explained milky water was due to air bubbles for remainder
Visible	0	0	0	

Organisms				
Pressure (High or Low)	3	3	0	pressure test, all three had faulty regulators
Water Outages <sup>1</sup>	0	0	0	
Illnesses (Waterborne)	0	0	0	
Other (Specify)	3	3	0	general water quality concerns were alleviated after speaking with customer
Total No. of Complaints*	18	18	0	

<sup>1</sup>These are customer complaints of a water outage and not necessarily the same as the water outages reported under “System Problems” in the Distribution Section of the EARDWP.

\*Calculated field

To update totals click here

**COMMENTS (Note: Comments will be made publicly available):** [?](#)

**12. RECYCLED WATER USE** [?](#)

Does your water system have recycled water in its service area (provided by your water system or another utility)? If no, skip the questions below in this section and move to the next section. No

**Important Note Concerning Recycled Water Questions:**

The California Water Code Section 10609(c)(4) states: “The state should identify opportunities for streamlined reporting, eliminate redundant data submissions, and incentivize open access to data collected by urban and agricultural water suppliers.”

It has come to the Division of Drinking Water’s attention that there is (at least some) redundant reporting of recycled water information occurring, for at least for some public water systems in this Electronic Annual Report to the Division of Drinking Water. If some or all of the recycled water questions are reported elsewhere, check this box:  . Answer any questions below that are not reported elsewhere and leave the reported quantities blank in the table. Please note in the comments where these quantities were reported.

Name of report(s) containing the information requested in this Electronic Annual Report for reporting year 2019:

Regulatory entity receiving the report(s), contact name, and phone number:

If **only some** of the recycled water questions in this Electronic Annual Report section are reported elsewhere, complete the information above and answer the questions below that are not reported elsewhere. Leave recycled water cells blank ONLY IF it is reported elsewhere on other reports indicated above, otherwise enter zero or the actual figure.

Recycled Water (RW) Use Sites	Total No. of Approved Sites as of Dec. 31, 2019	No. of New Sites Approved in 2019	No. of Sites Proposed for 2020
Irrigation, Agriculture			
Irrigation, Landscape			
Industrial			
Dual-plumbed <a href="#">?</a> (In-building)			
Dual-plumbed (Single-family lot)			
Cooling Towers			
Other			

Total*	0	0	0
--------	---	---	---

To update totals click here

Name of the recycled water coordinator:	
Business Phone:	
Email address:	
How many inspections of recycled water use sites were conducted in 2019?	
How many pressure/shutdown tests were performed in 2019?	
Do all of your recycled water uses sites have an on-site supervisor?	--Pick one-- ▾
How many recycled water uses sites do not have an on-site supervisor?	

**COMMENTS (Note: Comments will be made publicly available):** [?](#)

**13. SYSTEM OPERATION - TREATMENT**

**A. GROUNDWATER TREATMENT** *(respond only if groundwater treatment is provided, exclude chlorination treatment)*



Groundwater Treatment Plant Name	Treatment Process	Date of Operations Plan	Is Operations Plan Current? (Y/N)	Contaminant Removed

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2019 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

**B. SURFACE WATER TREATMENT** *(respond only if surface water treatment is provided)*



Surface water Treatment Plant Name	Date of Operations Plan	Is Operations Plan Current? (Y/N)


Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2019 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

Date of current Emergency Disinfection Plan (EDP)*:	4/9/2018
<i>*As required under Section 64660(c)(2). The EDP may be included in your water system's Emergency Response Plan or Operations Plan. If so, provide the Name and Date of those plans below.:</i>	
Name of Document that includes the Emergency Disinfection Plan:	Emergency plan for disinfection at Lake Hemet MWD system 3310022
Date of document that includes the Emergency Disinfection Plan:	2/25/2015
Date of last watershed sanitary survey report <a href="#">?</a> :	02/09/2017
Date planned to complete next watershed sanitary survey report*:	2/9/2022
<i>*As required under Section 64665, each watershed sanitary survey shall be updated at least every 5 years.</i>	
<b>COMMENTS (Note: Comments will be made publicly available):</b> <a href="#">?</a>	

## 14. SYSTEM OPERATION – DISTRIBUTION

### A1. DEAD-END FLUSHING PROGRAM

Total No. in System	No. with Blowoffs	No. Flushed in 2019	Frequency of Flushing
457	256	15	upon request

Comments on DEAD-END FLUSHING PROGRAM (publicly available):

### A2. ALL FLUSHING OPERATIONS

Units of Measure for total volume reported below:	Gallons <input type="button" value="v"/>
Total Volume in units of measure selected above; include all types of flushing, not just dead-end flushing: <a href="#">?</a>	930886

Comments on ALL FLUSHING OPERATIONS (publicly available):

### B. VALVE EXERCISE PROGRAM

Size Range of Valves	Total No. in System	No. Exercised in 2019	Frequency of Valve Exercising
3'-18'	4704	258	10 yrs

Comments on VALVE EXERCISE PROGRAM (publicly available):

### C. STORAGE TANK/RESERVOIR INSPECTION/CLEANING PROGRAM

(Do not include pressure tanks)


[\\*Click here to upload an Excel spreadsheet](#) of your water system's Storage Tank/Reservoir Inspection/Cleaning Program.\*

Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection ?	Date of last cleaning	Date re-lined or coated	Corrosion protection(*)	Material of construction
Marshall	2	1990	01/2019	01/2019	04/2016	None	Welded Steel
Lake #1	2	1972	05/2016	05/2016	2003	None	Welded Steel
Lake #2	2	1977	05/2019	05/2019	04/2013	None	Welded Steel
Cornell	2	1969	03/2018	03/2018	05/2012	None	Welded Steel
Little Lake	1	1956	05/2019	05/2019	03/2010	None	Welded Steel
Park Hill	2	1996	03/2018	03/2018	1996	None	Welded Steel
Bee Canyon	0.5	1982	04/2017	04/2017	05/2001	None	Welded Steel
Section 13	0.04	1970	04/2015	04/2015	05/2001	None	Bolted Steel
Cunningham	0.12	1983	03/2018	03/2018	2001	None	Bolted Steel
Sprague Heights	0.195	Unk	05/2016	05/2016	2003	None	Block & Concrete
Upper Skycrest	0.3	1967	02/2019	02/2019	03/2017	None	Welded Steel
Middle Skycrest	0.06	03/10/2010	04/2015	04/2015	03/2010	None	Bolted Steel
Pachea Trial	0.06	2003	04/2017	04/2017	11/2005	None	Welded Steel
Pipeyard	0.02	Unknown	0	0	0	None	Removed from Service 12/2018
W-14	0.04	Unknown	02/2018	02/2018	Unknown	None	Bolted Steel
W-10	0.02	Unknown	2014	2014	Unknown	None	Bolted Steel
W-2	0.02	Unknown	10/2014	10/2014	Unknown	None	Bolted Steel
M&M	0.04	Unknown	05/2018	02/2012	Unknown	None	Bolted Steel
McMillan	0.02	05/01/2017	05/2017	05/2017	05/2017	None	Welded Steel
Webcor	0.02	Unknown	04/2019	Unknown	Unknown	None	Bolted Steel

\*Coatings and linings do not count as corrosion protection for table Subsection C.

### D. SYSTEM PROBLEMS

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	97	97		Replaced
Main Breaks/Leaks	79	79		Repaired

Water Outages 	1		1	Main break, repaired
Boil Water Orders	1	1	1	System pressure loss from pipeline break, replaced bad section of main
Total*	178	177	2	

To update totals click here

Comments on SYSTEM PROBLEMS (publicly available):

## E. INFRASTRUCTURE AND PRESSURE

### Pipe Material in Distribution System

1. Which materials does your distribution system pipe consist of? Please check all that apply:

- Plastic (Including Poly Vinyl Chloride and HDPE)
- Steel
- Cast Iron
- Galvanized Iron
- Ductile Iron
- Cement Concrete
- Asbestos Cement


Pipeline Material	Percentage of distribution pipe system composed of the materials selected above	Average Age (in years)
Plastic	27	
Steel	71.47	
Cast Iron	0	
Galvanized Iron	0	
Ductile Iron		
Cement Concrete	0	
Asbestos Cement	1.53	
other: 0	0	


COMMENTS (Note: Comments will be made publicly available): 

## 15. EMERGENCY PREPAREDNESS & RESPONSE, AND WATER PARTNERSHIPS

### A. EMERGENCY RESPONSE PLANS

**PUBLIC WATER SYSTEMS WITH AT LEAST 3,300 OR MORE PERSONS SHOULD REVIEW AND REVISE THEIR EMERGENCY RESPONSE PLAN TO ENSURE THAT THE PLANS ARE SUFFICIENT TO ADDRESS POSSIBLE DISASTER SCENARIOS.**

Do you have an Emergency Response Plan (ERP) that addresses the procedures for the restoration of water service for your water system?	Yes 
Date of your current Emergency Response Plan:	12/26/2019
Date ERP was last exercised with a tabletop or other activity:	10/20/2019

Are you registered in your local energy utility's Public Safety Power Shutoff notification plan? Yes 

### B. AUXILIARY POWER SUPPLY

Does your water system have backup power for:
-----------------------------------------------



1. Sources: <a href="#">?</a>	Some <input type="button" value="v"/>
2. Pumping Stations:	Some <input type="button" value="v"/>
3. Water Treatment Plants:	Not Applicable <input type="button" value="v"/>
If your system has backup power, how many times per year is it exercised?	3
Can your system maintain system pressure in all pressure zones either by backup power or by gravity fed storage during power outages for each of the following number of hours?	
24 hours	Yes <input type="button" value="v"/>
48 hours	Yes <input type="button" value="v"/>
72 hours	Only in some zones <input type="button" value="v"/>
Is your backup power system automatic or manual start?:	Manual Start <input type="button" value="v"/>

**COMMENTS (Note: Comments will be made publicly available):** [?](#)

## 16. WATER CONSERVATION AND DROUGHT PREPAREDNESS

1. Date of your revised Drought Preparedness Plan or Water Shortage Contingency Plan, if any:	08/01/2001
Water system does not have a current drought or water shortage plan, mark box if applies: <input type="checkbox"/>	
2. Did your water system experience water shortages in 2019?	No <input type="button" value="v"/>
If yes, please estimate the amount of shortfall in units selected for this section	Volume of water:
	Units of Measure: <a href="#">?</a> Acre-feet <input type="button" value="v"/>
3. How many water-shortage response stages are in your drought plan? For "non-applicable", enter zero. <a href="#">?</a>	4 <input type="button" value="v"/>
4. Did drought conditions cause you to activate emergency standby wells in 2019?	No <input type="button" value="v"/>
5. Do you project water shortages in the current calendar year? <a href="#">?</a>	No <input type="button" value="v"/>
6. Does your water system anticipate having to go to mandatory restrictions in the upcoming year? <a href="#">?</a>	No <input type="button" value="v"/>

7. Identify the method your water system uses to discourage excessive water use when in drought, in support of SB 814 (2016) [?](#) (Check as applicable)

- 7a. Rate structure (e.g., block tiers, water budgets, or rate surcharges above base rates for excessive water use)
- 7b. Excessive water use ordinance, rule, or tariff condition
- 7c. Not implementing
- 7d. Not applicable: not an urban retail water supplier [?](#)
- 7e. COMMENTS REGARDING SB 814 (Note: Comments will be made publicly available) : [?](#)

8. To identify data streamlining opportunities, are there other government agencies, aside from the Department of Water Resources, that require reports on the same information found in the Electronic Annual Report? If yes, please describe (include the title of the report, which agency receives it, and the type of information it includes):

### Only complete the questions below if you are an Urban Retail Water Supplier [?](#)

Conservation legislation (AB 1668 and SB 606, 2018) requires that the Department of Water Resources recommend standards to calculate water use objectives (targets representing efficient water use) for each urban retail water supplier. The State Water Board will use those recommendations to adopt regulations in July 2022. The questions below help inform this process.

9. What conservation activities occurred in your service area in 2019?

a. Provide a direct link to a web page that summarizes conservation activities in your service area, if available. <https://www.lhmwd.org/Conservation.aspx>

b. If a webpage is not available, [send an email \(click here\)](#) with the document, Subject line: PWSID CA \_\_\_\_\_, Water Conservation Activities

10. Have you tracked how much your water system spent on conservation and efficiency programs in the last fiscal year?

a. If known, enter those expenditures \$

b. If detailed in a document, provide a direct link to a web page with information:

11. Have you tracked how much water was saved as a result of those programs?

a. If known, enter those savings: 0 b. Units of measure:

b. If detailed in a document, provide a direct link to a web page with information:

12. Have you estimated the "saturation" or percentage of water efficient appliances and fixtures already in your service area?

a. If yes, provide a direct link to a web page with information:

b. Alternatively, if a webpage is not available, [send an email \(click here\)](#) with the document, Subject line: PWSID CA \_\_\_\_\_, water efficiency of appliances and fixtures

13. Do you currently use imagery to evaluate demand for outdoor use?  Comment:

14. Does your water system have a variance or adjustment process that either 1) allows customers to request a greater volume of water than what would otherwise be budgeted for that customer type or 2) signals customers to reduce water use under particular circumstances? For examples of variances and adjustments, see the drop-down boxes below.  If no, skip this question and go to question 16 below.

a. How many types of adjustments or variances do you provide?

Variance 1 <input type="button" value="--Pick one--"/>	How is the amount of the variance or adjustment determined? <input type="button" value="?"/> Significance to water demand for the water system? <input type="button" value="?"/> <input type="button" value="--Pick one--"/>
Variance 2 <input type="button" value="--Pick one--"/>	How is the amount of the variance or adjustment determined? <input type="button" value="?"/> Significance to water demand for the water system? <input type="button" value="?"/> <input type="button" value="--Pick one--"/>
Variance 3 <input type="button" value="--Pick one--"/>	How is the amount of the variance or adjustment determined? <input type="button" value="?"/> Significance to water demand for the water system? <input type="button" value="?"/> <input type="button" value="--Pick one--"/>
Variance, Other:	How is the amount of the variance or adjustment determined? <input type="button" value="?"/> Significance to water demand for the water system? <input type="button" value="?"/> <input type="button" value="--Pick one--"/>

15. Do you intend to use the potable reuse water bonus incentive explained in CWC 10609.20(d)?

(If you have questions about this please contact State Water Board staff by email at: [waterconservation@waterboards.ca.gov](mailto:waterconservation@waterboards.ca.gov). State Water Board staff will follow up with those suppliers who answer "yes". This information is being asked at this time to help staff estimate the impacts of SB 606 and AB 1668, as required for the regulatory process)

**16. COMMENTS (Note: Comments will be made publicly available):**

### 17. CLIMATE CHANGE ADAPTATION AND RESILIENCY FOR WATER UTILITIES



Per Waterboard Resolution 2017-0012, dated 3/7/17, water system inspections are required to address climate change impacts & concerns.

#### ONLY FOR COMMUNITY WATER SYSTEMS

Your water system classification is:

If you have questions about completing this section of the report, please contact [Joseph.Crisologo@waterboards.ca.gov](mailto:Joseph.Crisologo@waterboards.ca.gov) or call (818) 551-2046.

**A. CLIMATE THREATS**

What climate-related impacts are of concern for your water system (check all that apply)?

Drought    
  Groundwater Depletion    
  Water Quality Degradation    
  Flooding    
  Sea Level Rise  
 Extreme Heat    
  Fire    
  Other    
 None or N/A

**B. SENSITIVITY AND MAGNITUDE OF IMPACTS**

Qualitatively assess climate change sensitivity of your facilities, and criticality or consequence of disruption. Consider identified climate threats using past experience, and expert judgement based on the magnitude of expected change and extreme events in the future. You do not need numeric answers. USEPA provides a risk assessment tool, called CREAT, to help utilities identify which environmental changes can impact water supply: <https://www.epa.gov/crwu/build-resilience-your-utility>. More resources are available that may help you complete this section. [?](#)

<b>Drought   Groundwater Depletion</b>	Decreased water storage (low lake and reservoir levels)	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Groundwater depletion (increased extraction, reduced groundwater recharge, etc.)	Choose an item Medium Sensitivity <input type="button" value="v"/>
	Change in seasonal runoff and/or loss of snowmelt	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Region relies on water diverted from the Delta, imported from the Colorado River, or other climate-sensitive area	Choose an item None to Low Sensitivity <input type="button" value="v"/>
<b>Water Quality Degradation</b>	Salt-water intrusion into aquifers	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Altered water quality during storm events (turbidity shifts, debris flows)	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Surface water quality issues related to eutrophication, algal blooms, invasive species	Choose an item None to Low Sensitivity <input type="button" value="v"/>
<b>Flooding   Sea Level Rise</b>	High flow events and flooding	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Inundation due to sea level rise, high tides, and/or coastal storm surges	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Aging flood protection infrastructure (levees), or insufficient impoundment capacity	Choose an item None to Low Sensitivity <input type="button" value="v"/>
<b>Extreme Heat</b>	Peak demand volume surges (due to extreme heat, temperature trends, etc.)	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Increases in agricultural water demand or energy sector needs	Choose an item None to Low Sensitivity <input type="button" value="v"/>
<b>Fire   Other Impacts</b>	Increased fire risk and altered vegetation, e.g., wildfires	Choose an item None to Low Sensitivity <input type="button" value="v"/>
	Disruption of power supply	Choose an item Medium Sensitivity <input type="button" value="v"/>
	Other	Choose an item --Pick one-- <input type="button" value="v"/>

**C. ADAPTATION MEASURES**

Identify measures to increase resiliency and reduce vulnerabilities based on identified water system sensitivities. Indicate status for all projects that your organization has completed or plans to implement to increase resiliency of the water system to climate change? Adaptation measures planned or achieved for reasons other than climate change should be put in the "Other" box along with the reason for the measure. USEPA's Adaptation Strategies Guide for Water Utilities provides examples of adaptation: <https://www.epa.gov/crwu/learn-how-plan-extreme-weather-events> [?](#)

Install new and deeper drinking water wells, or modify existing wells to increase pumping capacity	Choose an item Completed <input type="button" value="v"/>
Develop local supplemental water supply, enhanced treatment, or increased storage capacity (e.g. recycled water, storm runoff for groundwater recharge, desalination, new reservoir)	Choose an item In Progress <input type="button" value="v"/>
Interconnection with other utilities (transfers, mutual aid agreements with neighboring utilities)	Choose an item Completed <input type="button" value="v"/>
Relocate facilities, construct or install redundant facilities	Choose an item In Progress <input type="button" value="v"/>
Modify facilities (e.g., install barrier or levee, raise a wall, seal a door, elevate construction)	Choose an item N/A <input type="button" value="v"/>
Conservation measures (demand management, enhanced communication and outreach)	Choose an item In Progress <input type="button" value="v"/>
Fire prevention – brush management, partnerships	Choose an item

	N/A
Alternative or backup energy supply	Choose an item Completed
On-site energy generation	Choose an item N/A
Enhance monitoring program, budget for additional testing and treatment, chemicals	Choose an item In Progress
Other	Choose an item --Pick one--

COMMENTS (Note: Comments will be made publicly available): ?

## 18. LEAD SERVICE LINE REPLACEMENT



### ONLY FOR COMMUNITY WATER SYSTEMS

Your water system classification is:

Section 116885 of the California Health and Safety Code, Lead Service Lines in Public Water Systems, added to the Health and Safety Code by Senate Bill 1398 (2016) and amended by Senate Bill 427 (2017), requires all community water systems (CWSs) to compile an inventory of known partial or total lead user service lines in use in its distribution system by July 1, 2018. DDW is utilizing the electronic annual report (eAR) to gather and update this information.

CWSs that reported in the table below the existence of lead user service lines (A) or unknown material user service lines (B) or lead/unknown fittings associated with user service lines (M or O), need to submit to a timeline for replacement of those user service lines or fittings to DDW by July 1, 2020. Please include the updated information on your user service line inventory below so DDW can track the progress of your system. If you have identified user service lines in A, B, M or O below, you will need to upload a timeline, including a spreadsheet listing the locations and replacement schedules and a letter or short report contain the justification for the dates of the replacement, for approval by DDW. Please utilize the spreadsheet template located on DDW's lead service line webpage to document the replacement schedules. For the suggested contents of the letter or report, please check the Fact Sheet on DDW's lead service line webpage. Water systems that previously reported service lines of unknown materials, that have now identified those materials and can certify that no lead or unknown service lines exist, must upload a certification form under the LSLR tab in place of a timeline report or letter.

For additional information including the spreadsheet template, certification form and Facts Sheet, please visit

[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html)

If you have questions about completing this section of the report, please contact David.Pimentel@Waterboards.ca.gov or call (916) 323-0572.

**IMPORTANT:** In the 2017 and 2018 electronic Annual Reports, all CWSs were required to submit the lead service line inventory to the DDW. The inventory will be prefilled with the 2018 EAR data for this section. Please review the table below and take this opportunity to make changes and update your inventory. Do not leave entry spaces blank. You must enter zero in any yellow fields which are not populated, otherwise errors will be generated at the end of the eAR report.

If your water system is a wholesaler and contains no user service lines, you are not required to complete this form: Please check this box:

Date lead service line inventory was completed (MM/DD/YYYY): 05/07/2018

### A. User service line inventory:

"User service line" means the pipe, tubing, and fittings connecting a water main to an individual water meter or service connection.

Pipe Material	Estimated Number of Service Lines (Enter "0" if none)	Estimated Total Length of Service Lines (In feet), if applicable
A. Lead	0	0
B. Unknown material	0	0
C. Copper	10826	
D. Cast iron (ductile pipe)	0	
E. Ductile iron	0	
F. Galvanized steel	1814	

G. Polyvinyl chloride (PVC)	0
H. Polyethylene (PE)	0
I. High density polyethylene (HDPE)	1670
J. Polybutylene (PB)	0
K. Transite/asbestos cement	0
<b>L. Other materials not listed above:</b>	
Identify material 1	
Identify material 2	
Identify material 3	
Identify material 4	
Total number of service lines inventoried* (calculated field)	14310
Total number of service connections from Section 3 of the EAR	14310
<b>Fittings or fittings connecting a water main:</b>	
M. <u>Lead fittings NOT</u> on a lead pipe (e.g., goosenecks, pigtails, and corporation stops)	0
N. <u>Lead fittings ON</u> a lead pipe (e.g., goosenecks, pigtails, and corporation stops)	0
O. <u>Fittings of unknown material</u> (e.g., goosenecks, pigtails, and corporation stops)	0
<b>Total number of lead service lines**</b> (calculated field)	0

\*Total number of service lines inventoried (calculated field) = Sum of A through L

\*\*Total number of lead service lines (calculated field) = Sum of A and M

To Update calculated field, click button below

To update totals click here

## B. Method(s) used to prepare the lead service line inventory in Part A (check all that apply):

- Tap Cards or tickets from initial service installation
- Plans from water main installation, rehabilitation, and replacement
- Records indicating when buildings were constructed
- Meter replacement records
- Distribution maps, drawings, or GIS
- Visual confirmation of pipe material by plumbers or utility crews during maintenance or installation activities
- Interviews with water system personnel and/or past employees
- Field investigations
- Other (describe below):

## C. COMPLIANCE WITH LEAD SERVICE LINE REPLACEMENT REQUIREMENT - **NEW**

Select one of the following options which applies to all community water system:

- If the CWS completed the requirement by reporting no lead or no unknown service lines or fittings in the **2017, 2018, and 2019** EAR (2017, 2018, and 2019 EAR LSLR inventory table in subsection A. have rows A, B, M and O equal to 0), Check the box below to indicate you have completed the requirement. Click OK in the two pop-up windows that open after the box is checked. No further action is required.

- No lead and no unknown material service lines or fittings.

- If the CWS reported lead or unknown material service lines or fittings in the **2017 and/or 2018** EAR LSLR section AND have since replaced or identified the materials (2019 EAR LSLR inventory table in subsection A. has rows A, B, M and O equal to 0), complete the LSLR certification form (the template can be found at the webpage linked below) then click [HERE](#) to upload the completed form. When you click on the HERE link, a new browser tab will open to the Replacement Timeline LTR or Certification Form upload page, after you have uploaded the document navigate back to this browser tab to complete the Finalize section of the EAR.

**The LSLR certification form template and FAQs can be found on the Lead Service Line Inventory Requirement for Public Water Systems webpage in the Resource and supplemental material section (bottom of page) at:**

[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html)

3. If the CWS reported lead or unknown material service lines or fittings in the 2019 EAR LSLR section (rows A, B, M and/or O are NOT equal to 0), a Replacement Timeline letter and spreadsheet must be submitted. The completed letter and spreadsheet (Replacement Timeline LTR and SS) should be uploaded at the links provided in 3.a. and 3.b. When you click on the HERE link below in 3.a., a new browser tab will open which has the Replacement Timeline LTR upload location, after you have uploaded the document navigate back this browser tab and click the HERE link in 3.b. for a new browser tab to open with the upload page for the Replacement Timeline SS. You will need to return to this browser tab to complete the Finalize section of the EAR after the uploads are completed.

- a. Click [HERE](#) to upload the Replacement Timeline LTR
- b. Click [HERE](#) to upload the Replacement Timeline SS

**The timeline spreadsheet template and FAQs on this requirement can be found on the Lead Service Line Inventory Requirement for Public Water Systems webpage in the Resource and supplemental material section (bottom of page) at:**

**[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html)**

If you are not able to upload the Replacement Timeline documents before the 2019 EAR is due, submit the 2019 EAR report on or before the report due date. After the EAR is reviewed, District or LPA Staff will return the EAR for revisions to allow you to upload the required documents by the July 1, 2020 deadline. You can request your District or LPA Office return the EAR for revision if you are ready to upload the documents before the review is completed.

Please indicate the total number of hours spent to complete this report. This information will be utilized to characterize the level of effort required to complete this report 12

By checking this box you acknowledge that any information submitted in this report is publicly accessible and may be used by the State of California to determine compliance with applicable laws and regulations. Knowingly submitting false information in this report is a misdemeanor, and by submitting this information you certify that the contents are, to the best of your knowledge, complete and correct.

# State Waterboard 2020 EAR

You were approved for application 427324 on 07/26/2021 09:11:33

[Return to Home \(/PwsUser\)](#)

**Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)).**

CA3310022 LAKE HEMET MWD

To view last year's report, click here (<https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324>).

1 Intro	2 Contacts	3 Population	4 Connections	5 Sources	6 Supply-Delivery	7 Recycled	8a Customer Charges	8b Income	8c Affordability	9 Water Quality	10 Backflow
11 Certification	12 Improvements	13 Complaints	14 Treatment	15 Distribution	16 Emergency	17 Conservation	18 Climate Change	19 LSLR	Finalize		

## DRINKING WATER SYSTEM'S 2020 ANNUAL REPORT TO THE DIVISION OF DRINKING WATER FOR THE YEAR ENDING DECEMBER 31, 2020 *[Section 116530 Health & Safety Code]*

### WATER SYSTEM INFORMATION [\(?\)](#) ([../Content/2020EARHelp.htm#1.1](#))

Water System No.:

Water System Name:

Water System Classification:

Related Regulating Agency: [\(?\)](#)   
([../Content/2020EARHelp.htm#1.2](#))

- Pick one--
- Local Government
- State or Federal Government
- Privately owned, PUC-regulated, for profit water company
- Privately owned, non-PUC-regulated (Community Water System)
- Privately owned Mutual Water Company or Association
- Privately owned business (non-community)

### Water System Ownership [\(?\)](#)

- ([../Content/2020EARHelp.htm#1.4](#))  Privately owned, PUC-regulated, for profit water company
- Privately owned, non-PUC-regulated (Community Water System)
- Privately owned Mutual Water Company or Association
- Privately owned business (non-community)

**If the address recorded is a PO Box or similar, please update to a physical address that would most accurately describe the location of the water system.**

Physical location  
Address 1:

Address 2:

City:  Zip Code:

General Office Phone: [\(?\)](#)  
([../Content/2020EARHelp.htm#1.3](#))   
*(with area code)*

Web site address:

Answer fields shaded yellow are **Mandatory Questions** and must be answered to complete this report. Based on previous answers, some answer fields are shaded salmon indicating **Conditionally Mandatory Questions**. Any missed responses to Mandatory and Conditionally Mandatory questions will be shown in the [Finalize Section](#).

### CERTIFICATION FOR REDUCTION OF ANNUAL FEES FOR PUBLIC WATER SYSTEMS SERVING A DISADVANTAGED COMMUNITY (DAC) [\(?\)](#) ([../Content/2020EARHelp.htm#1.5](#))

To **continue receiving** a reduced annual fee you must read and check the box below:

By checking this box, you are a community water system who is serving a DAC as defined in Title 22, Division 4, Chapter 14.5, section 64300 of the California Code of Regulations and have submitted documentation to the State Water Resource Control Board certifying that you are serving a DAC.

I certify under penalty of perjury under the laws of the State of California as a duly authorized representative of the public water system for which this document is being submitted that the foregoing is true and correct: the public water system for which this report is being submitted served a disadvantaged community (as defined in Title 22, Division 4, Chapter 14.5, section 64300 of the California Code of Regulations) for the year in which this report is applicable, and, if requested to do so by the State Board, will provide documentation to the State Board upon request, which may include an income survey, that the public water system served a disadvantaged community during the time period for which this report applies.

You are required to complete a DAC Certification Form ([https://www.waterboards.ca.gov/resources/fees/drinking\\_water/docs/dac\\_certification\\_form.pdf](https://www.waterboards.ca.gov/resources/fees/drinking_water/docs/dac_certification_form.pdf)) and upload the form in the 2020 Annual Report. Once you have completed the form found in the above link, save it to your desktop, and use the upload feature below beginning with "Choose Files."

No file chosen

If you have questions about completing DAC Certification Form or about the DAC fee reduction, please contact the Program Liaison Unit at [DDW-PLU@waterboards.ca.gov](mailto:DDW-PLU@waterboards.ca.gov) (mailto:DDW-PLU@waterboards.ca.gov).

0%

REPORT STARTED BY [?](#) (../Content/2020EARHelp.htm#1.6)

Name:   
 Title:   
 Work phone:   
 Cell phone:   
 Email address:

**Please be aware that all comment boxes throughout this electronic annual report will be made publicly available WITH THE EXCEPTION of the comment box below. Only Waterboard staff and other people with your water system's login credentials will have access to this comment box. You are encouraged to provide any comments that you believe may help improve this annual report process.**

PRIVATE COMMENTS: [?](#) (../Content/2020EARHelp.htm#1.7)

**Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)).**

CA3310022 LAKE HEMET MWD

To view last year's report, click here (<https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324>).

## 2. Public Water System Contacts [?](#) (../Content/2020EARHelp.htm#2.a)

Contact your Regulating Agency to **update contact information for current contacts.**

**IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.**

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.

PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank. Only the BUSINESS phone type will appear in Drinking Water Watch (<https://sdwis.waterboards.ca.gov/PDWW/>), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

CURRENT CONTACTS	CONTACT RECORD	PHONE TYPE <a href="#">?</a> (../Content/2020EARHelp.htm#2.1)	PHONE NO.	EMAIL ADDRESS(ES)	CONTACT TYPE <a href="#">?</a> (../Content/2020EARHelp.htm#2.2) (Modify with checkbox)
Contact 1	First Name: <input type="text" value="MIKE"/> Middle Initial: <input type="text"/> Last Name: <input type="text" value="GOW"/>	Business Home	<input type="text" value="(951) 658-3241"/> <input type="text" value="YY"/>	<input type="text" value="mgow@lhmwd.org"/>    <input type="text" value="YY"/>	<input type="checkbox"/> DELETE CONTACT 1 <input checked="" type="checkbox"/> Administrative <input checked="" type="checkbox"/> Financial <input type="checkbox"/> Designated Operator In Charge <input type="checkbox"/> Contract Operator
	Title: <input type="text" value="GENERAL MANAGER"/>	Facsimile	<input type="text" value="YY"/>		<input checked="" type="checkbox"/> NO CHANGES CONTACT 1 <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Emergency
	Address 1: <input type="text" value="P.O. Box 5039"/> Address 2: <input type="text" value="26385 Fairview Ave."/>	Mobile	<input type="text" value="(951) 230-5491"/>		<input checked="" type="checkbox"/> Sampler / Water Quality
	City: <input type="text" value="HEMET"/> State: <input type="text" value="CA"/> Zip Code: <input type="text" value="92544"/>	Emergency	<input type="text" value="YY"/>		<input checked="" type="checkbox"/> Legal



					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding																																			
<table border="1"> <tr> <td colspan="2"> <b>Contact 2</b>                  First Name, Middle Initial: <input type="text" value="KRISTEN"/> </td> <td colspan="2">                 Business: <input type="text" value="(951) 658-3241"/>                  Home: <input type="text" value="YY"/> </td> <td colspan="2">                 DELETED CONTACT 2: <input type="checkbox"/> </td> <td colspan="1">                 NO CHANGES CONTACT 2: <input checked="" type="checkbox"/> </td> </tr> <tr> <td colspan="2">                 Last Name: <input type="text" value="FRANKFORTER"/> </td> <td colspan="2">                 Title: <input type="text" value="WATER QUALITY TECH"/> </td> <td colspan="2">                 Administrative: <input type="checkbox"/> </td> <td colspan="1">                 Operator: <input type="checkbox"/> </td> </tr> <tr> <td colspan="2">                 Address 1: <input type="text" value="P.O. Box 5039"/> </td> <td colspan="2">                 Facsimile: <input type="text" value="(951) 766-7031"/> </td> <td colspan="2">                 Financial: <input type="checkbox"/> </td> <td colspan="1">                 Emergency: <input checked="" type="checkbox"/> </td> </tr> <tr> <td colspan="2">                 Address 2: <input type="text" value="26385 Fairview Ave."/> </td> <td colspan="2">                 Mobile: <input type="text" value="(310) 706-8547"/> </td> <td colspan="2">                 Designated Operator In Charge: <input type="checkbox"/> </td> <td colspan="1">                 Sampler / Water Quality: <input checked="" type="checkbox"/> </td> </tr> <tr> <td colspan="2">                 City: <input type="text" value="HEMET"/>                  State: <input type="text" value="CA"/>                  Zip Code: <input type="text" value="92544"/> </td> <td colspan="2">                 Emergency: <input type="text" value="YY"/> </td> <td colspan="2">                 Contract Operator: <input type="checkbox"/> </td> <td colspan="1">                 Legal: <input type="checkbox"/> </td> </tr> </table>							<b>Contact 2</b> First Name, Middle Initial: <input type="text" value="KRISTEN"/>		Business: <input type="text" value="(951) 658-3241"/> Home: <input type="text" value="YY"/>		DELETED CONTACT 2: <input type="checkbox"/>		NO CHANGES CONTACT 2: <input checked="" type="checkbox"/>	Last Name: <input type="text" value="FRANKFORTER"/>		Title: <input type="text" value="WATER QUALITY TECH"/>		Administrative: <input type="checkbox"/>		Operator: <input type="checkbox"/>	Address 1: <input type="text" value="P.O. Box 5039"/>		Facsimile: <input type="text" value="(951) 766-7031"/>		Financial: <input type="checkbox"/>		Emergency: <input checked="" type="checkbox"/>	Address 2: <input type="text" value="26385 Fairview Ave."/>		Mobile: <input type="text" value="(310) 706-8547"/>		Designated Operator In Charge: <input type="checkbox"/>		Sampler / Water Quality: <input checked="" type="checkbox"/>	City: <input type="text" value="HEMET"/> State: <input type="text" value="CA"/> Zip Code: <input type="text" value="92544"/>		Emergency: <input type="text" value="YY"/>		Contract Operator: <input type="checkbox"/>		Legal: <input type="checkbox"/>
<b>Contact 2</b> First Name, Middle Initial: <input type="text" value="KRISTEN"/>		Business: <input type="text" value="(951) 658-3241"/> Home: <input type="text" value="YY"/>		DELETED CONTACT 2: <input type="checkbox"/>		NO CHANGES CONTACT 2: <input checked="" type="checkbox"/>																																			
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City: <input type="text" value="HEMET"/> State: <input type="text" value="CA"/> Zip Code: <input type="text" value="92544"/>		Emergency: <input type="text" value="YY"/>		Contract Operator: <input type="checkbox"/>		Legal: <input type="checkbox"/>																																			
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<b>Contact 5</b> First Name, Middle Initial: <input type="text" value="ANDY"/>		Business: <input type="text" value="(951) 658-3241"/> Home: <input type="text" value="YY"/>		DELETED CONTACT 5: <input type="checkbox"/>		NO CHANGES CONTACT 5: <input checked="" type="checkbox"/>																																			
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City State Zip Code	HEMET CA 92544	Emergency	YY		<input type="checkbox"/> Contract Operator	<input type="checkbox"/> Legal
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
Contact 6 First Name, Middle Initial	YY	Business	YY	YY	<input type="checkbox"/> DELETE CONTACT 6	<input type="checkbox"/> NO CHANGES CONTACT 6
Last Name	YY	Home	YY		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Title	YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
Address 1	YY	Mobile	YY		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
Address 2	YY				<input type="checkbox"/> Contract Operator	<input type="checkbox"/> Legal
City State Zip Code	YY YY YY	Emergency	YY		<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
Contact 7 First Name, Middle Initial	YY	Business	YY	YY	<input type="checkbox"/> DELETE CONTACT 7	<input type="checkbox"/> NO CHANGES CONTACT 7
Last Name	YY	Home	YY		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Title	YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
Address 1 Address 2	YY YY	Mobile	YY		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
City State Zip Code	YY YY YY				Emergency	YY
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
Contact 8 First Name, Middle Initial	YY	Business	YY	YY	<input type="checkbox"/> DELETE CONTACT 8	<input type="checkbox"/> NO CHANGES CONTACT 8
Last Name	YY	Home	YY		<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Title	YY	Facsimile	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
Address 1 Address 2	YY YY	Mobile	YY		<input type="checkbox"/> Designated Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
City State Zip Code	YY YY YY				Emergency	YY
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding

ADD NEW CONTACTS HERE [?](#) (.../Content/2020EARHelp.htm#2.2)

NEW CONTACT RECORD	PHONE TYPE <a href="#">?</a> (.../Content/2020EARHelp.htm#2.3.a)	PHONE NO.	EMAIL ADDRESS(ES)	CONTACT TYPE (Pick all that apply)	
New 1 First Name, Middle Initial	Jeff	(951) 658-3241	YY	<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Operator
Last Name	McKee		YY	<input type="checkbox"/> Financial	<input checked="" type="checkbox"/> Emergency
Title	Senior Operaotor	YY			

Address 1 Address 2	PO Box 5039 YY	Facsimile Mobile	YY YY		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
City State Zip Code	Hemet CA 92544	Emergency	YY		<input type="checkbox"/> Contract Operator	<input type="checkbox"/> Legal
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
<b>Add Additional Contact</b> (.../Content/2020EARHelp.htm#2.3)				(pick all that apply)		
New 2 First Name, Middle Initial	YY	Business	YY	YY	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Last Name	YY					
Title	YY	Home	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
Address 1 Address 2	YY YY	Facsimile Mobile	YY YY		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
City State Zip Code	YY YY YY	Emergency	YY		<input type="checkbox"/> Contract Operator	<input type="checkbox"/> Legal
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
<b>Add Additional Contact</b>				(pick all that apply)		
New 3 First Name, Middle Initial	YY	Business	YY	YY	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Last Name	YY					
Title	YY	Home	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
Address 1 Address 2	YY YY	Facsimile Mobile	YY YY		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
City State Zip Code	YY YY YY	Emergency	YY		<input type="checkbox"/> Contract Operator	<input type="checkbox"/> Legal
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding
<b>Add Additional Contact</b>				(pick all that apply)		
New 4 First Name, Middle Initial	YY	Business	YY	YY	<input type="checkbox"/> Administrative	<input type="checkbox"/> Operator
Last Name	YY					
Title	YY	Home	YY		<input type="checkbox"/> Financial	<input type="checkbox"/> Emergency
Address 1 Address 2	YY YY	Facsimile Mobile	YY YY		<input type="checkbox"/> Operator In Charge	<input type="checkbox"/> Sampler / Water Quality
City State Zip Code	YY YY YY	Emergency	YY		<input type="checkbox"/> Contract Operator	<input type="checkbox"/> Legal
					<input type="checkbox"/> Owner	<input type="checkbox"/> Funding

COMMENTS (Note: Comments will be made publicly available): (.../Content/2020EARHelp.htm#2.4) YY

Need Help Completing the EAR. Click HERE (https://www.waterboards.ca.gov/drinking\_water/programs/).  
CA3310022 LAKE HEMET MWD

To view last year's report, click here (<https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324>).

### 3. Population Served [?](#) ([../Content/2020EARHelp.htm#3](#))

Total Population in DDW Records: [?](#)   
 ([../Content/2020EARHelp.htm#3.1](#))

Population Type <a href="#">?</a>	Population Count	Annual Operating Period <a href="#">?</a> ( <a href="#">../Content/2020EARHelp.htm#3.3</a> )			End Date
( <a href="#">../Content/2020EARHelp.htm#3.2</a> )		Begin Date			DD
Residential	<input type="text" value="52913"/>	MM	DD	MM	
Transient	<input type="text" value="YY"/>	<input type="text" value="1"/>	<input type="text" value="12"/>	<input type="text" value="31"/>	
Non-Transient	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>	<input type="text" value="YY"/>	

Method Used to Determine Population:

- Pick one--
- Most recent United States census data
- Multiplied number of service connections by 3.3
- Determined total number of dwelling units and multiplied by 2.8
- Other

If population is based on "Other" , identify the methods or sources of how it was estimated:  
Total population in DDW records, pre-filled in this report.

List the names of communities served by the system identifying both incorporated and unincorporated areas:  
Parts of Hemet, San Jacinto, Valle Vista and unincorporated Riverside County.

COMMENTS (Note: Comments will be made publicly available): [?](#) ([../Content/2020EARHelp.htm#3.4](#))

**Need Help Completing the EAR. Click HERE ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)).**  
 CA3310022 LAKE HEMET MWD

To view last year's report, click here (<https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324>).

### 4. Number of Service Connections [?](#) ([../Content/2020EARHelp.htm#4](#))

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:

The total number of Service Connections as of December 31, 2020 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate. [?](#)  
 ([../Content/2020EARHelp.htm#4.1](#))

TYPE	Potable Water		
	Unmetered	Metered	Total*
<u>Single-family Residential:</u> single family detached dwellings	<input type="text" value="0"/>	<input type="text" value="13374"/>	<input type="text" value="13374"/>
<u>Multi-family Residential:</u> Apartments, town houses, duplexes and trailer parks	<input type="text" value="0"/>	<input type="text" value="480"/>	<input type="text" value="480"/>
<u>Commercial/Institutional:</u> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels, churches, campgrounds	<input type="text" value="0"/>	<input type="text" value="349"/>	<input type="text" value="349"/>
<u>Industrial:</u> All manufacturing	<input type="text" value="0"/>	<input type="text" value="4"/>	<input type="text" value="4"/>
<u>Landscape Irrigation:</u> Parks, play fields, cemeteries, median strips, golf courses	<input type="text" value="0"/>	<input type="text" value="58"/>	<input type="text" value="58"/>
<u>Agricultural Irrigation:</u> Irrigation of commercially-grown crops	<input type="text" value="0"/>	<input type="text" value="49"/>	<input type="text" value="49"/>
Total Active Connections*	<input type="text" value="0"/>	<input type="text" value="14314"/>	<input type="text" value="14314"/>

\* Calculated field

B. Number of Inactive Connections (all types)

Include only service connections that have been physically disconnected (e.g. meter removed) from the water system. All other service connections should be considered as "Active."

YY

If the connection categories below include some portion of residential connections, please check the boxes below:

- Commercial/Institutional
- Industrial
- Landscape Irrigation

C. Outdoor or Indoor meters/submeter

Only Urban Water Suppliers answer the questions below

Does your water system keep records on outdoor irrigation meters or commercial, institutional, or industrial indoor submeters? [?](#) (./Content/2020EARHelp.htm#4.2)

- Pick one--
- Yes
- No

COMMENTS (Note: Comments will be made publicly available): [?](#) (./Content/2020EARHelp.htm#4.3) YY

Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) (https://www.waterboards.ca.gov/drinking\_water/programs/).

CA3310022 LAKE HEMET MWD

To view last year's report, click here (https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324).

5. Source Inventory [?](#) (./Content/2020EARHelp.htm#5)

Type	Total No. Active	Total No. New/ Added in 2020	Total No. Inactivated in 2020	Total No. Destroyed in 2020
Active Groundwater Intakes (Wells) <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.a)	10	YY	YY	YY
Active Surface Water Intakes (Raw) <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.b)	0	YY	YY	YY
Active Purchased Water (GW) Connections <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.c)	1	YY	YY	YY
Active Purchased Water (SW) Connections <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.d)	0	YY	YY	YY
Standby Sources <sup>1</sup> <a href="#">?</a> (./Content/2020EARHelp.htm#STANDBYSOURCES)	0	YY	YY	YY
Emergency Interconnections <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.e)	1	YY	YY	YY
Inactive Sources <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.f) <sup>2</sup>	19		YY	YY
Pending Sources <a href="#">?</a> (./Content/2020EARHelp.htm#5.2.g) <sup>3</sup>	0		YY	YY

- Are your water sources metered?
  - Pick one--
  - Yes
  - No
- Do you routinely monitor the static water levels in your wells?
  - Yes
  - No
  - Not Applicable (no wells)

- Pick one--
- Yes
- No
- Not Applicable (no wells)
- Pick one--
- Recovering
- Declining
- Steady
- Not Applicable (no wells)
- Don't Know

Do you routinely monitor the *pumping* water levels in your wells?

Are these levels recovering, declining or steady?:

DISCUSS CHANGES TO ABOVE SOURCES

<sup>1</sup>If a standby source was used in 2020 , provide the following information.

Name of the Standby Source used in 2020:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was the Division of Drinking Water notified? (Y/N)	Describe the reason the Standby Source was used:
------------------------------------------	--------------------------------------------------	--------------------------------	----------------------------------------------------	--------------------------------------------------

<sup>2</sup>Inactive sources are not approved as sources of supply and must be physically disconnected or similarly isolated.

COMMENTS (Note: Comments will be made publicly available): [?](#) (./Content/2020EARHelp.htm#5.3)

Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) (https://www.waterboards.ca.gov/drinking\_water/programs/).

CA3310022 LAKE HEMET MWD

To view last year's report, click here (https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324).

### 6. Water Supply and Delivery [?](#) (./Content/2020EARHelp.htm#6)

**Important Note Concerning Water Use Questions:**

The California Water Code Section 10609(c)(4) states: "The state should identify opportunities for streamlined reporting, eliminate redundant data submissions, and incentivize open access to data collected by urban and agricultural water suppliers."

It has come to the Division of Drinking Water's attention that, between this electronic Annual Report and other reports, some public water systems experience (at least some) redundant reporting of water use information and opportunities to streamline reporting may exist.

- Are any questions in this section reported elsewhere?
- Pick one--
  - Yes
  - No

Name the report(s) containing the information requested in this Electronic Annual Report for the 2020 calendar year (reporting year):   
Regulatory entity receiving the report(s), contact name, and phone number:

#### A. WATER PRODUCED, PURCHASED, AND SOLD

- Pick one--
  - Gallons
  - Million Gallons
  - Acre-feet (AF)
  - 100 cubic feet
- Units of Measure for tables in Section 6A: [?](#) (./Content/2020EARHelp.htm#6.1)

--Pick one--

Volumes are based on:  METERED VOLUMES  
 ESTIMATED VOLUMES

**6.A1 - Water Produced, Purchased, and Sold**

If only total annual production is available, report your monthly estimated volumes by dividing the total by 12 for monthly reporting. If you have no annual production, please use the checkboxes to prefill zero values and advance to subsection 6.A2 for water purchasing details.

A	B	C	D	E	F	G	H	
Month	Potable Water						Non-potable (exclude recycled)	Recycled
	Water Produced from Groundwater (Wells)	Water Produced from Surface Water	Finished Water Purchased or Received from another PWS	Total Amount of Potable Water*	Water Sold to Another PWS			
Check here if no production for every month	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
January	429.48	0	0	429.48	0	0	0	
February	471.09	0	0	471.09	0	0	0	
March	445.09	0	0	445.09	0	0	0	
April	479.25	0	0	479.25	0	0	0	
May	883.35	0	0	883.35	0	0	0	
June	817.03	0	7.31	824.34	0	0	0	
July	938.40	0	7.89	946.29	0	0	0	
August	948.70	0	16.76	965.46	0	0	0	
September	869.54	0	0	869.54	0	0	0	
October	826.41	0	0	826.41	0	0	0	
November	624.35	0	0	624.35	0	0	0	
December	576.02	0	0	576.02	0	0	0	
Annual Total*	8308.71	0	31.96	8340.67	0	0	0	
Percent Treated	YY							

PWS = Public Water System

\*Calculated field

The **Maximum Day** is the day during 2020 with the highest total water usage. Provide the date for Maximum volume supplied to the Distribution System, and report individual volumes recorded that day for each supply type.

Maximum Daily Demand (Date)	08/14/2020
Maximum Day - Groundwater (Volume)	11.20
Maximum Day - Surface Water (Volume)	0
Maximum Day - Purchased or Received (Volume)	0
Maximum Day - Total Potable Water (Calculated)	11.2
Maximum Day - Sold (Volume)	11.20

**6.A2 - Water Purchased or Sold or Transferred** [\(?\)](#) ([../Content/2020EARHelp.htm#6.2](#))

If water was Purchased/received from or Sold/delivered to another PWS, complete the table below:

Specify whether water  
was *Purchased or Sold or Transferred*

Name of PWS

**6.A3 - Recycled Water Supplied** [\(?\)](#) ([../Content/2020EARHelp.htm#6.3](#))

If recycled water was *supplied to your customers*, complete the table below:

Specify the level of treatment  
(e.g., tertiary, disinfected secondary)

Name of Recycled Water supplier

COMMENTS (Note: Comments will be made publicly available): YY

**B. WATER DELIVERIES** [?](#) (.../Content/2020EARHelp.htm#6.4)

Check this box  No Water Deliveries if your water system does not have monthly water deliveries data and provide further clarification in the comments (e.g. system does not provide water to retail customers, billing system data is unavailable at the time of the report). Once you have checked this box, the rest of Section B will be hidden.

--Pick one--

Gallons

Units of Measure (UOM) for this table:  Million Gallons

Acre-feet (AF)

100 cubic feet

Provide all monthly metered water deliveries for all water sources (potable and non-potable) in the table below. If you have partially metered or unmetered water deliveries, check the help tips for additional guidance as you may be able to provide information.

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/ Institutional	Industrial	Landscape Irrigation	Other	Total Retail*	Agricultural	Other PWS
Check if no water is delivered or not applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
January	128100	20478	11717	14	2090	0	162399	0	0
February	132303	19566	14237	15	2599	0	168720	0	0
March	127938	18429	14334	18	3168	0	163887	0	0
April	142456	21316	11269	22	2622	0	177685	0	0
May	215018	23581	19088	30	4076	0	261793	0	0
June	231788	23181	29785	54	5865	0	290673	0	0
July	278887	26380	34467	37	7087	0	346858	0	0
August	298830	28095	36299	38	7538	0	370800	0	0
September	282837	28049	34641	37	7510	0	353074	0	0
October	262666	26484	28849	18	7233	0	325250	0	0
November	212319	25674	26572	18	5721	0	270304	0	0
December	169539	22878	20618	15	3953	0	217003	0	0
Annual*	2482681	284111	281876	316	59462	0	3108446	0	0
Annual % recycled water	0	0	0	0	0	0		0	0

PWS = Public Water System

\*Calculated field

B1. Mark boxes below:

If the delivery categories below include some portion of residential deliveries, please check the boxes below:

Commercial/Institutional

Industrial

Landscape Irrigation

If you have questions about this please contact State Water Board staff by email at: [waterconservation@waterboards.ca.gov](mailto:waterconservation@waterboards.ca.gov) (mailto:waterconservation@waterboards.ca.gov) This information is being asked at this time to help staff estimate the impacts of SB 606 and AB 1668, as required for the regulatory process.

--Pick one--

Does your system have dedicated irrigation meters?  Yes

No

B2. What is the annual volume of outdoor irrigation water used on landscape areas with dedicated irrigation meters in connection with commercial, institutional, and industrial (CII) water use?



- Pick one--
- Gallons
- Million Gallons
- Acre-feet (AF)
- 100 cubic feet
- Not applicable

a. Unit of Measure

b. Volume of water

YY

c. Water system does not collect this information (mark box if applies)

Comments

Was any of your annual deliveries volume used for irrigation of developed and natural parklands or publicly maintained urban trees (outside of parklands)?

- Pick one--
- Yes
- No

COMMENTS (Note: Comments will be made publicly available): [?](#) (./Content/2020EARHelp.htm#6.6)

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To view last year's report, click here (<https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324>).

### 7. Recycled Water Use [?](#) (./Content/2020EARHelp.htm#7)

Does your water system have recycled water in its service area (provided by your water system or another utility)?

- Pick one--
- Yes
- No
- Don't Know

Need Help Completing the EAR. Click HERE ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)). CA3310022 LAKE HEMET MWD

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### 8. Customer Charges [?](#) (./Content/2020EARHelp.htm#8a)

#### A. Water Rates and Charges [?](#) (./Content/2020EARHelp.htm#A)

A.1 Does your water system charge customers for water (residential, commercial, industrial, or institutional water customers)? [?](#) (./Content/2020EARHelp.htm#A.1)

- Pick one--
- Yes
- No

A.2 Select applicable customer types: [?](#) (./Content/2020EARHelp.htm#A.2)

- Pick one--
- Residential
- Non-Residential (typically includes commercial, industrial, institutional customers etc.)
- Both

A.2.1 Is your billing frequency for your Residential and Non-Residential customers the same? [?](#) (./Content/2020EARHelp.htm#A.2.1)

- Pick one--
- Yes
- No

A.2.2 Is your most common Residential water rates structure the same as your most common Non-Residential rate structure? [?](#) (./Content/2020EARHelp.htm#A.2.2)  
(This does not include the number of tiers associated with the rate structures)

- Pick one--
- Yes
- No

A.2.2a. Please select the most common rate structure used for both Residential and Non-Residential customers: [?](#) (./Content/2020EARHelp.htm#A.2.2a)

Single or Flat Rate – Average, static rate charged per billing cycle independent of water usage.

Base Rate – Base rates are the charges applied for receiving drinking water service regardless of the amount of water consumed. Base rates are usually fixed amounts and may include charges like sourcewater protection fees, service fees, etc.

Usage Rate – Rates that are charged based on the amount of volume or water consumed.

Fixed or Uniform - Rates that remain unchanged per billing cycle throughout the year.

Variable - Rates that are changed depending on water usage.

- Single or Flat Rate (Often Unmetered)
- Base Rate (Fixed) + Usage Rate (Uniform)
- Base Rate (Fixed) + Usage Rate (Variable)
- Base Rate (Variable) + Usage Rate (Uniform)
- Base Rate (Variable) + Usage Rate (Variable)
- Allocation Based (California Water Code Sections 370-374; Specifically, California Water Code Section 372)
- Other (text box)

A.2.2b Comments on rate structure, explain allocation rate if applicable: [?](#) (./Content/2020EARHelp.htm#A.2.2b)

YY

**A1. Residential Water Rates and Charges** [?](#) (./Content/2020EARHelp.htm#A1)

- Pick one--
- monthly
- bi-monthly
- quarterly
- annually
- Other: In text below, provide the average number of days between billing
  - Pick one--
  - Gallons (Gal)
  - Hundred Cubic Feet
  - Thousand Gallons
  - Million Gallons
  - Acre Feet
  - Not Applicable

A1.3. Please select your billing frequency for Residential customers: [?](#) (./Content/2020EARHelp.htm#A1.3)

A1.4. Please select the metric or unit of measure (UOM) used in Residential Water Rates: [?](#) (./Content/2020EARHelp.htm#A1.4)

A1.5. Please select any variances or factors used to determine or adjust residential water rates or allocations: [?](#) (./Content/2020EARHelp.htm#A1.5)

- Agricultural use (non-commercial or commercial)
- Drought factor
- Elevation
- Evaporative Coolers
- Fire protection - water to irrigate vegetation
- Home-based business
- Livestock or large animals
- Lot size
- Medical needs
- Meter size
- Mitigation of high levels of total dissolved solids
- Occupancy (All-year)
- Occupancy (Seasonal)
- Pressure zone
- Soil compaction and dust control
- Supplement ponds and lakes to sustain wildlife
- Other : YY
- None of the above

A1.6. Does your water system have multi-family AND single family billing classes? [?](#) (../Content/2020EARHelp.htm#A1.6)  --Pick one--  
Single-Family- Single family detached dwellings (houses).  Yes  
Multi-Family- Apartments, condominiums, town houses, duplexes and mobile homes.  No

A1.7. Do your rates change for different levels of water consumption? [?](#) (../Content/2020EARHelp.htm#A1.7)  Yes  
 --Pick one--  
 No Tiers or Levels

A1.7.1. What is the number of tiers or levels of charges? [?](#) (../Content/2020EARHelp.htm#A1.7.1)  
 --Pick one--  
 1  
 2  
 3  
 4  
 5  
 6  
 7

A1.8. Residential Rates & Charges Table [?](#) (../Content/2020EARHelp.htm#A1.8)

Please complete the table below – taking into consideration the following:

- You have selected Billing Frequency, please submit your rate data based on this frequency.
- If your flat rate varies over the year, please use the average flat rate amount.
- Please report the most common rate for the majority of your residential customers.

Customer Class & Billing Tiers	Usage Rate Structure		
	Base Rate	Top Metric/ Unit of Measure (UOM)	Cost per Unit of Measure (UOM)
Residential - Tier 1	31.43	5	2.184
Tier 2	31.43	13	2.392
Tier 3	31.43	14	3.600

A1.9 Did your rates change in the reporting year?\* [?](#) (../Content/2020EARHelp.htm#A1.9)

- No Change  
 Yes, inflation adjustment  
 Yes, increment of multi-year approved increase  
 Yes, imposition of new or increased fees  
 Yes, other:

A1.9a Other Notes

A1.10. Date of most recent update to the rate structure (this does not include regularly scheduled rate changes, rather actual changes to your rate structure): [?](#) (../Content/2020EARHelp.htm#A1.10)

A1.11. If you recently updated your rate structure, please briefly describe the changes that were made: [?](#) (../Content/2020EARHelp.htm#A1.11)

A1.12. Provide a direct link to a web page that explains water rates and fees, if available. [?](#) (../Content/2020EARHelp.htm#A1.12)

Not Available Online

No file chosen

A1.13. Upload rate structure documentation. [?](#) (../Content/2020EARHelp.htm#A1.13)

(Uploaded files:)

Delete [2021 LHMWD Rates.pdf \(/TakeSurvey/Download?fileName=1049\\_CA3310022\\_427324\\_29983\\_2020EAR\\_\\_WRResidentialRateUpload\\_1.pdf\)](#)

0%

A1.14 Comments on the allocation of Residential rate. [?](#) (../Content/2020EARHelp.htm#A1.14)

A1.15 Does your residential customer bills include any non-drinking water charges (i.e. wastewater, stormwater, electricity, telecommunications, property tax etc.)? [?](#) (./Content/2020EARHelp.htm#A1.15)

- Pick one--
- Yes
- No

A1.15.1 What are those charges? [?](#) (./Content/2020EARHelp.htm#A1.15.1)

- Wastewater service charge
- Stormwater service charge
- Electricity / Gas
- Internet / Telecommunications
- Garbage / Recycling collection
- Property tax
- Other:

A1.15.1a. Other Notes

A1.15.2 What are the average monthly charges (calculated on an annual basis) for the following? [?](#) (./Content/2020EARHelp.htm#A1.15.2)

A1.15.2a Wastewater service charge

**A2. RESIDENTIAL SERVICE CONNECTIONS** [?](#) (./Content/2020EARHelp.htm#A2)

A2.1 What is the average charge\* for a brand-new Residential connection (based on the most common meter size)?  [?](#) (./Content/2020EARHelp.htm#A2.1)

\* Also known as: Connection Fees; Advances in Construction, or Contributions in Aid for Construction.

No service charge for brand new connections

A2.2 When was the connection charge\* for a brand-new Residential connection last updated (based on the most common meter size reported above)? [?](#) (./Content/2020EARHelp.htm#A2.2)

\* Also known as: Connection Fees; Advances in Construction, or Contributions in Aid for Construction.

A2.3 What is the one-time fee or deposit needed to create a new water service account for an existing Residential home (based on the most common meter size reported above)? [?](#) (./Content/2020EARHelp.htm#A2.3)

A2.5. Check all costs covered by a new Residential connection fee: [?](#) (./Content/2020EARHelp.htm#A2.5)

- Existing infrastructure buy-in (e.g., water treatment/ conveyance/sewage treatment )
- Upgrades to infrastructure (seismic retrofits, pipe replacements, etc.)
- Storm water management system
- Debt service charge
- Development of new water supplies
- Other :

A2.6. Comments on Residential connections (publicly available): [?](#) (./Content/2020EARHelp.htm#A2.6)

**A3. Non-Residential Water Rates & Charges** [?](#) (./Content/2020EARHelp.htm#A3)

- Pick one--
- Gallons (Gal)
- Hundred Cubic Feet (HCF)
- Thousand Gallons
- Million Gallons
- Acre Feet
- Not Applicable

A3.1. Please select the metric or unit of measure (UOM) used for Non-Residential Water Rates: [?](#) (./Content/2020EARHelp.htm#A3.1)

A3.5. Select all applicable Non-Residential connection types: [?](#) (./Content/2020EARHelp.htm#A3.5)

- Commercial (Retail, Offices, Gas Stations, etc.)
- Institutional (Schools, Hospitals, Hotels, etc.)
- Industrial (Manufacturing, Chemical, etc.)
- Landscape Irrigation (Parks, Golf Courses, etc.)
- Agricultural Irrigation (Crops, Aquaculture, etc.)
- Other

A3.5a. Other Notes

- Pick one--
- Yes
- No Tiers or Levels

A3.6. Do your rates change for different levels of water consumption? [?](#) (./Content/2020EARHelp.htm#A3.6)

A3.6.1. What is the number of tiers or levels of charges? [?](#) (./Content/2020EARHelp.htm#A3.6.1)

A3.6.1a Commercial

--Pick one--

1

2

3

4

5

6

7

A3.6.1b Institutional

--Pick one--

1

2

3

4

5

6

7

A3.6.1c Industrial

--Pick one--

1

2

3

4

5

6

7

A3.6.1d Landscape Irrigation

--Pick one--

1

2

3

4

5

6

7

A3.6.1e Agriculture Irrigation

--Pick one--

1

2

3

4

5

6

7

A3.7. Non-Residential Rates & Charges Table [?](#) (../Content/2020EARHelp.htm#A3.7)

Please complete the table below – taking into consideration the following:

- You have selected Billing Frequency, please submit your rate data based on this frequency.
- If your flat rate varies over the year, please use the average flat rate amount.
- Please report the most common rate for the majority of your residential customers.

**Usage Rate  
Structure**

Customer Class & Billing Tiers	Base Rate	Top Metric/ Unit of Measure (UOM)	Cost per Unit of Measure (UOM)
Commercial - Tier 1	31.43	6	2.184
Tier 2	31.43	13	2.392
Tier 3	31.43	14	3.600
Institutional - Tier 1	31.43	6	2.184
Tier 2	31.43	13	2.392
Tier 3	31.43	14	3.600
Industrial - Tier 1	31.43	6	2.184
Tier 2	31.43	13	2.392
Tier 3	31.43	14	3.600
Landscape Irrigation - Tier 1	31.43	6	2.184
Tier 2	31.43	13	2.392
Tier 3	31.43	14	3.600
Agricultural Irrigation - Tier 1	31.43	6	2.184
Tier 2	31.43	13	2.392
Tier 3	31.84	14	3.600

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*Please make sure to complete the Customer Charges section before completing this section.*

**8(B) Income** [?](#) ([../Content/2020EARHelp.htm#8b](#))

**B1. Total Revenue Generated from Different Sources\*** [?](#) ([../Content/2020EARHelp.htm#B1](#))

Instructions: Purpose of this section is to calculate total annual revenue generated. No revenue should be double counted.

B1.1 Total revenue generated exclusivity from water rates and charges\* from all Residential customer types during the reporting year (includes single-family and multi-family). [?](#) ([../Content/2020EARHelp.htm#B1.1](#)) 14919000

\*Do not include any other charges (I.e. connection fees, service fees, etc.)

B1.2 Total revenue generated exclusivity from water rates and charges\* from all Non-Residential customer types during the reporting year.\* [?](#) ([../Content/2020EARHelp.htm#B1.2](#)) 0

\*Do not include any other charges (I.e. connection fees, service fees, etc.)

B1.3 Total revenue generated exclusivity from other fees and charges\* from all Residential customer types during the reporting year (includes single-family and multi-family customers).\* [?](#) ([../Content/2020EARHelp.htm#B1.3](#)) 144763

\*Other fees and charges:

Include: Late fees, notice fees, penalties, shutoff fees, reconnection fees, bounced check fees, and any additional fees that were associated with water rates that are collected and approved in the fee schedule.

Do Not Include: Revenue generated by you water rates in the above question.

B1.4 Total revenue generated exclusivity from other fees and charges\* from all Non-Residential customer types during the reporting year.\* [?](#) ([../Content/2020EARHelp.htm#B1.4](#))

\*Other fees and charges:

Include: Late fees, notice fees, penalties, shutoff fees, reconnection fees, bounced check fees, and any additional fees that were associated with water rates that are collected and approved in the fee schedule. 350737

Do Not Include: Revenue generated by your water rates in the above question.

Total Non-Residential Water Rate Revenue Gained from Other Fees and Charges(+):

B1.5 Did you collect/receive revenue from interfund (from wastewater or stormwater utility) or governmental transfers (i.e. property taxes or fees, sales taxes or fees, etc. -- typically from City/County General Fund)?\* [?](#) ([../Content/2020EARHelp.htm#B1.5](#)) 
 --Pick one--  
 Yes  
 No

B1.5.1 Please select all that apply: [?](#) ([../Content/2020EARHelp.htm#B1.5.1](#))

- Property Tax
- City/County Tax or Fee

- Utility User Tax or Fee
- Fire Suppression or Fire Protection Services Tax or Fee
- Standby Charges Tax or Fee
- Wastewater or Sewer Tax or Fee
- Stormwater Tax or Fee
- Electricity Tax or Fee
- Other non-water charges and fees that are included on water bills, explain below:

Other: YY

B1.5.2 Total revenue generated from interfund or governmental transfers. (./Content/2020EARHelp.htm#B1.5.2)

Total interfund or governmental Revenue Gained (+):

1376100

B1.6 Total revenue lost from interfund or governmental transfers (if \$0, enter \$0)\* (./Content/2020EARHelp.htm#B1.6)

0

Total interfund or governmental Revenue Gained (-):

B1.7 Total revenue generated from non-customer sources that have not already been accounted for (i.e. cell towers, lawsuits and settlements, energy generation, land leases, rent, other service fees, etc.)\* (./Content/2020EARHelp.htm#B1.7)

460709

Total Other Revenue Gained (+):

B1.7a Other Notes YY

B1.8 Total Annual Revenue for the Reporting Year\* (./Content/2020EARHelp.htm#B1.8) 17251309.00

B1.9 Approximation of Total Residential Charges (./Content/2020EARHelp.htm#B1.9)

Consumption	Drinking Water Charge: Water Bill	Other Charges from Interfund Transfer: Taxes / Fees	Total Drinking Water Cost to Customer: dollars/month	Provide Alternative Amount	Alternative Amount	Comments
6 HCF (./Content/2020Help.html#A3)		2.17	2.17	<input checked="" type="checkbox"/>	13.31	YY
9 HCF (./2020Help.html#A3)		2.17	2.17	<input checked="" type="checkbox"/>	20.49	YY
12 HCF (./Content/2019LWSHelp.htm#A3)		2.17	2.17	<input checked="" type="checkbox"/>	27.66	YY
24 HCF (./Content/2020Help.html#A3)		2.17	2.17	<input checked="" type="checkbox"/>	69.66	YY

B1.10 Days of cash-on-hand\* at the end of the reporting year: (./Content/2020EARHelp.htm#B1.10)

\*How much cash your system has saved up, including reserve funds, that isn't earmarked for anything else (unrestricted cash) and estimates the number of days your system can pay its daily operation and maintenances costs before running out of this cash.

Number of Days 365

B1.11 Comments on water system revenues: (./Content/2020EARHelp.htm#B1.11)

Comment

YY

**B2.Total Expenses (./Content/2020EARHelp.htm#B2)**

Instructions: Purpose of this section is to calculate total annual expenses. No expense should be double counted.

B2.1 Total annual operations and maintenance expenses\* (./Content/2020EARHelp.htm#B2.1)

\* Expenses incurred during the system's normal operation. This can include salaries, benefits for employees, utility bills, system repair and maintenance, supplies (e.g., treatment chemicals), insurance, and water purchased for resale.

Total Operations and Maintenance Expenses (-): 11216856

B2.2 Total annual expenses from investing or capital expenditures\* (./Content/2020EARHelp.htm#B2.2)

\* Expenses incurred from purchase of property and equipment; construction of new assets (i.e. treatment, distribution etc.)

Total Investment Expenses (-): 1156622

B2.3 Total annual expenses from financing activities\* (./Content/2020EARHelp.htm#B2.3)

\* Expenses incurred from retirement of long-term debt, purchase of securities, interest expenses etc.

Total Financing Activity Expenses (-): 7373974

B2.4 Total Other annual expenses\* (./Content/2020EARHelp.htm#B2.4)

Total Other Expenses (-): 25300

B2.4a Other Notes YY

B2.5 Total annual expenses\* (./Content/2020EARHelp.htm#B2.5)

Total Annual Expenses (-): 19772752.00

B2.6 Comments on Total Expenses: (./Content/2020EARHelp.htm#B2.6)

Comment

YY

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Please make sure to complete the Customer Charges section before completing this section.

8(C) Affordability (./Content/2020EARHelp.htm#8c)

C1. Shut-offs (./Content/2020EARHelp.htm#C1)

Senate Bill 998 (over 200 service connections to be applicable and mandatory)

Health & Safety Code 116918.

An urban and community water system shall report the number of annual discontinuations of residential service for inability to pay on the urban and community water system's Internet Web site, if an Internet Web site exists, and to the board. The board shall post on its Internet Web site the information reported.

Health & Safety Code Section 116904.

(a) An urban water supplier not regulated by the Public Utilities Commission shall comply with this chapter on and after February 1, 2020. (b) An urban and community water system regulated by the Public Utilities Commission shall comply with this chapter on and after February 1, 2020. The urban and community water system regulated by the Public Utilities Commission shall file advice letters with the commission to conform with this chapter. (c) An urban and community water system not described in subdivision (a) or (b) shall comply with this chapter on and after April 1, 2020.

- "Residential service" means water service to a residential connection that includes single-family residences, multifamily residences, mobilehomes, including, but not limited to, mobilehomes in mobilehome parks, or farmworker housing.
• "Urban and community water system" means a public water system that supplies water to more than 200 service connections.
• "Urban water supplier" has the same meaning as defined in Section 10617 of the Water Code.

C1.1 How many accounts for Residential service connections had their water shut-off once during the year due to failure to pay? (./Content/2020EARHelp.htm#C1.1)

Table with 4 columns: Occupied Accounts, Unoccupied Accounts, Unknown Accounts, Total\*. Row 1: C1.1a Residential Accounts, values: 751, 0, 0, 751.

C1.1.1. What is the average amount owed at the time of shut-off? (./Content/2020EARHelp.htm#C1.1.1) \$ YY

Data not collected. System will begin collecting. Grace period 2020 and 2021 eAR.

C1.2. How many accounts for Residential service connections had their water shut off more than once during the year due to failure to pay? (./Content/2020EARHelp.htm#C1.2)

Table with 4 columns: Occupied Accounts, Unoccupied Accounts, Unknown Accounts, Total\*. Row 1: C1.2a Residential Accounts, values: 0, 0, 0, 0.

Data not collected. System will begin collecting. Grace period 2020 and 2021 eAR.

C1.3. What is the average duration of the shut-offs (in days) for continuously occupied Residential service accounts? (./Content/2020EARHelp.htm#C1.3)

Table with 5 columns: Duration, Occupied Accounts, Unoccupied Accounts, Unknown Accounts, Total. Rows: C1.3a.1 (1 Day), C1.3a.2 (2-3 Days), C1.3a.3 Residential Accounts (4-7 Days), C1.3a.4 (8-30 Days), C1.3a.5 (1 month or more). All values are 0.

Data not collected. System will begin collecting. Grace period 2020 and 2021 eAR.

C1.4 How many of these shut-offs are returned to service within one-day (or 24 hours)? (./Content/2020EARHelp.htm#8c) YY

Data not collected. System will begin collecting. Grace period 2020 and 2021 eAR.

C1.5. What is the Residential fee, including all administrative and processing fees, to restore drinking water service due to failure to pay during operating hours? (./Content/2020EARHelp.htm#C1.5)

Fee

C1.5a Residential Accounts 50

C1.6. What is the Residential fee, including all administrative and processing fees, to restore drinking water service due to failure to pay during non-operating hours? (./Content/2020Help.html#A5.cd)

Fee

C1.6a Residential Accounts 150



C1.7 Do you offer an extended repayment or other customer payment assistance plan? [?](#) (./Content/2020EARHelp.htm#C1.7)  --Pick one--  
 Yes  
 No

C1.8. What is the number of residential accounts (single-family, multi-family, and mixed use that include residential) that were missing one or more required water bill payments at the end of your year? [?](#) (./Content/2020EARHelp.htm#C1.8)

C1.9. Comments on Shut-offs (publicly available): [?](#) (./Content/2020EARHelp.htm#C1.9)

**C2. Residential Customer Assistance** [?](#) (./Content/2020EARHelp.htm#C2)

C2.1 In the reporting year, did you offer any of the following types of bill assistance to customers? [?](#) (./Content/2020EARHelp.htm#C2.1)

- Low-income water rate assistance
- Flexible payment terms
- Alternative payment terms
- Temporary assistance
- Special medical need
- Other types of assistance
- None

C2.7 Does your system partner with an outside entity (e.g. United Way) to provide assistance to low-income households? [?](#) (./Content/2020EARHelp.htm#C2.7)  --Pick one--  
 Yes  
 No

C2.8 Do you offer bill forgiveness under certain circumstances? [?](#) (./Content/2020EARHelp.htm#C2.8)  --Pick one--  
 Yes  
 No

Comment:

C2.9 Comments on Affordable Drinking Water Assistance (publicly available): [?](#) (./Content/2020EARHelp.htm#C2.9)

**Need Help Completing the EAR. Click HERE ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)).**  
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**9. Water Quality** [?](#) (./Content/2020EARHelp.htm#9)

Date of Emergency Notification Plan: 04/07/2021

Is the Emergency Notification Plan up to date?  --Pick one--  
 Yes  
 No

If no is selected, please upload a revised WQENP. [?](#) (./Content/2020EARHelp.htm#9.2)

Select here (./PwsUser/PWSWQENPList?PwsID=CA3310022) to view your water system's last WQENP received. [?](#) (./Content/2020EARHelp.htm#9.1)

**A. DIRECT ADDITIVES** [?](#) (./Content/2020EARHelp.htm#9.3)

Pursuant to Section 64590, Title 22 of the California Code of Regulations, (effective January 1, 1994), all chemicals or products, including chlorine, added directly to the drinking water as part of a treatment process must meet the NSF/ANSI Standard 60.

Check this box if your public water system has chemicals or products, including chlorine, added directly to the drinking water as part of a treatment process.

Please complete the following table for each chemical used by this water system. If you are not sure whether a chemical you are using meets this standard, contact the manufacturer or distributor of the chemical. [?](#) (./Content/2020EARHelp.htm#9.4)

Name of Chemical	Name of Manufacturer	Purpose of using chemical	Chemical is ANSI/NSF Standard 60 certified (Y/N)	Use initiated in 2020 (Y/N)
Sodium Hypochlorite	Hasa	Disinfection & Residual	1	2

**B. INDIRECT ADDITIVES**

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

Does your water system have procedures to ensure all future equipment and materials meet this standard?

--Pick one--  
 Yes  
 No  
 N/A

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

**C. CONSUMER CONFIDENCE REPORT** (./Content/2020EARHelp.htm#9.5)

Date of Consumer Confidence Report (CCR): 06/30/2021

Is the CCR date up to date?

--Pick one--  
 Yes  
 No

Select here (./PwsUser/PWSCCRList?PwsID=CA3310022) to view your water system's last CCR received.

COMMENTS (Note: Comments will be made publicly available): (./Content/2020EARHelp.htm#9.6) YY

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**10. Backflow–Cross Connection Control** (./Content/2020EARHelp.htm#10)

	Total Number in System in 2020	Number Installed in 2020	Number Tested in 2020	Number Failed in 2020	Number Repaired/ Replaced
Backflow Assemblies on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies) (./Content/2020EARHelp.htm#10.1)	606	1	570	81	74
Backflow Assemblies On-site but not on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies) (./Content/2020EARHelp.htm#10.2)	0	0	0	0	0
Air-gap Separation (./Content/2020EARHelp.htm#10.3)	0	0			

No. of Inactive Backflow Prevention Assemblies in water system in 2020: (./Content/2020EARHelp.htm#10.4) YY

Date of last cross-connection control survey done on the system: YY

Cross Connection Control Program Coordinator

Name: YY

Certification Number: YY

Business Phone: (951) 658-3241 Email Address: rdetwiler@lhmwd.org

Certification or training received: Cross connection Control Specialist

Describe any cross-connection incidents that occurred during 2020: (./Content/2020EARHelp.htm#10.5)

We continue to use our auto read meters as a tool in our cross connection control program to monitor any reverse flow or back flow or backflow conditions and have not had any in 2020.

COMMENTS (Note: Comments will be made publicly available): (./Content/2020EARHelp.htm#10.6) YY

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**11. Operator Certification** [?](#) ([../Content/2020EARHelp.htm#11](#))

Please list the **State certified Drinking Water Operators** employed by your water system that supervise and direct the operation of your distribution system and water treatment plants where applicable.

**A. DISTRIBUTION SYSTEM CERTIFIED OPERATORS**

Your Distribution System Classification is: D5 [?](#) ([../Content/2020EARHelp.htm#11.1](#))

Do your Chief and Shift Distribution System Operators have the minimum level required?

- Pick one--
- Yes
- No
- Don't Know
- Not Applicable (transient non-community water system)

Check this box if your public water system has designated a Chief Distribution Operator.

Name of Chief Distribution Operator (First name Last name):

Grade of Chief Distribution Operator (1, 2, 3, 4 or 5):

Distribution Operator Number (3, 4 or 5 digits):

Distribution Certification Expiration Date (MM/DD/YYYY):

Check this box if your public water system has one or more certified distribution system shift operators.

\*Click here to upload an Excel spreadsheet ([../TakeSurvey/UploadGrid?surveysTakenId=427324&surveyId=1049&questionId=29258](#)) of your water system's certified distribution operators.\*

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Distribution Operator Number (3, 4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
William Carter	5	1	25557	2024-08-01
Andrew C Forst	5	2	9289	2024-04-01
Michael L Booth	5	2	6113	2022-06-01
Jeffery S Mckee	4	2	5905	2021-04-01
Dean M Wade	4	2	19099	2021-07-01
John A Smith	3	2	26893	2023-10-01
Eric M Libeu	3	2	30031	2022-03-01
Thomas L Moses	3	2	30032	2022-05-01
Matt Park	3	3	30030	2022-11-01
Miguel J Rodriguez	3	2	30038	2024-01-01
Hector M Ambriz	3	2	16770	2022-01-01
Ryan H Merrick	3	2	29019	2021-10-01
David J Wilke	3	2	10344	2022-09-01
Jeremy S Unland	3	2	39574	2021-11-01
Elliott Magdaleno	3	2	39404	2022-03-01
Ross W Detwiler	2	2	30039	2024-01-01
Christopher M Pillow	2	2	31407	2021-12-01
Geoffrey P Wolever	2	2	16651	2023-04-01

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Distribution Operator Number (3, 4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
Zeferino Fuentes	2	2	33499	2023-11-01
Steve Gates	2	2	46857	2022-05-01
Justin Smith	2	2	42332	2021-10-01
Jorge Duran Mora	4	2	47339	2023-12-01
Ernie Contreras	1	2	36069	2024-04-01
James E Geller	2	2	31350	2022-11-01
Kristen Frankforter	1	3	46043	2022-05-01
Jason Venable	1	3	43229	2022-11-01
Thomas Chavarria	1	2	50983	2021-12-01
Michael K Miller	1	2	50171	2021-06-01

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

**B. TREATMENT PLANT CERTIFIED OPERATORS**

Your Highest Treatment System Classification is: Classification is Unavailable [\(?\)](#) (.../Content/2020EARHelp.htm#11.2)

Do your Chief and Shift Treatment Plant Operators have the minimum level required?

- Pick one--
- Yes
- No
- No treatment facility except precautionary disinfection
- Don't Know
- Check this box if your public water system has designated a Chief Treatment Operator.

Name of Chief Treatment Operator (First name Last name):

Grade of Chief Treatment Operator (1, 2, 3, 4 or 5):

Treatment Operator Number (3, 4 or 5 digits):

Treatment Certification Expiration Date (MM/DD/YYYY):

- Check this box if your public water system has one or more certified treatment plant shift operators.

\*Click here to upload an Excel spreadsheet (.../TakeSurvey/UploadGrid?surveysTakenId=427324&surveyId=1049&questionId=29260) of your water system's certified water treatment operators.\*

Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Treatment Operator Number (3, 4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
William Carter	2	2	36350	2023-07-01
Michael L Booth	2	2	16653	2022-06-01
Andrew C Forst	2	2	22114	2023-07-01
Jeffrey S Mckee	2	2	24740	2022-08-01
David J Wilke	2	2	23763	2022-05-01
Jeremy S Unland	1	2	34166	2021-02-01
Christopher M Pillow	1	2	35113	2022-02-01
Jorge Duran Mora	2	2	38528	2022-07-01
Hector M Ambriz	1	2	42515	2021-12-01

Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift <sup>1</sup> (C, S or X)	Treatment Operator Number (3, 4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
Eric M Libeu	1	2	42173	2021-08-01
Elliott M Magdaleno	1	2	38541	2022-07-01

<sup>1</sup>Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

COMMENTS (Note: Comments will be made publicly available): [?](#) (./Content/2020EARHelp.htm#11.4)

Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) (https://www.waterboards.ca.gov/drinking\_water/programs/).

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### 12. Water System Improvements [?](#) (./Content/2020EARHelp.htm#12)

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
  - Adding a new source
  - Changing the status of an existing source (for example, active to standby) or
  - Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
  - Design capacity
  - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2020 for which a permit was not obtained, please describe the improvements or modifications below.

Indicate any planned improvements or modifications for 2020.

COMMENTS (Note: Comments will be made publicly available): [?](#) (./Content/2020EARHelp.htm#12.2)

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### 13. Complaints Reported (Written or Verbal) [?](#) (./Content/2020EARHelp.htm#13)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	<input type="text" value="3"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	<input type="text" value="Cust. Hot water heater. Advised flushing and we flushed the main line"/>

Color	0	0	0	N/A
Turbidity	1	1	0	Air in water. Explained to cust.
Visible Organisms	0	0	0	N/A
Pressure (High or Low)	2	2	0	Located a leak
Water Outages	0	0	0	N/A
Illnesses (Waterborne)	0	0	0	N/A
Other (Specify)	3	3	0	Build up on dead end mains. Flushing solved .
Total No. of Complaints*	9	9	0	

\*Calculated field

COMMENTS (Note: Comments will be made publicly available): [?](#) (../Content/2020EARHelp.htm#13.2) YY

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#### 14. Treatment Plants and Disinfection Plan [?](#) (../Content/2020EARHelp.htm#14)

##### A. GROUNDWATER TREATMENT [?](#) (../Content/2020EARHelp.htm#14.1)

WSF ID	Groundwater Treatment Plant Name	Treatment Process	Date of Operations Plan	Is Operations Plan Current? (Y/N)	Contaminant Removed
052	WLB - BILL COR & M&M WELLS BLEND-PENDING				

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2020 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

WLB/M&M blend treatment is pending permitting.

Please indicate any treatment plants that should be excluded due to chlorination only:

##### B. SURFACE WATER TREATMENT [?](#) (../Content/2020EARHelp.htm#14.2)

WSF ID	Surface water Treatment Plant Name	Treatment Process	Date of Operations Plan	Is Operations Plan Current? (Y/N)	Contaminant Removed
--------	------------------------------------	-------------------	-------------------------	-----------------------------------	---------------------

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2020 and substantially affected the plant performance AND/OR any significant modifications or maintenance provided to the plant(s):

##### C. EMERGENCY DISINFECTION PLAN / WATERSHED SANITARY SURVEY REPORT [?](#) (../Content/2020EARHelp.htm#14.3)

Date of current Emergency Disinfection Plan (EDP)\* :

Name of Document that includes the Emergency Disinfection Plan:

Date of document that includes the Emergency Disinfection Plan:

Date of last watershed sanitary survey report : [?](#) (../Content/2020EARHelp.htm#14.4)

Date planned to complete next watershed sanitary survey report\*:

COMMENTS (Note: Comments will be made publicly available):  (./Content/2020EARHelp.htm#14.5)

**Need Help Completing the EAR. Click HERE** ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)).

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**15. Distribution System and Storage Tanks** (./Content/2020EARHelp.htm#15)

**A. SYSTEM PROBLEMS** (./Content/2020EARHelp.htm#15.1)

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	<input type="text" value="371"/>	<input type="text" value="371"/>	<input type="text" value="0"/>	<input type="text" value="Replaced service"/>
Main Breaks/Leaks	<input type="text" value="50"/>	<input type="text" value="50"/>	<input type="text" value="0"/>	<input type="text" value="Main line repaired"/>
Water Outages (./Content/2020EARHelp.htm#15.1.a)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Boil Water Orders	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total*	<input type="text" value="421"/>	<input type="text" value="421"/>	<input type="text" value="0"/>	

Comments on SYSTEM PROBLEMS (publicly available):

**B. INFRASTRUCTURE AND PIPELINE MATERIALS** (./Content/2020EARHelp.htm#15.2)

**Pipe Material in Distribution System**

1. Which materials does your distribution system pipe consist of? Please check all that apply:

Pipeline Material	Percentage of distribution pipe system composed of the materials selected above	Average Age (in years)
<input checked="" type="checkbox"/> Plastic (Including Poly Vinyl Chloride and HDPE)	<input type="text" value="27"/>	<input type="text" value="YY"/>
<input checked="" type="checkbox"/> Steel	<input type="text" value="71.47"/>	<input type="text" value="YY"/>
<input type="checkbox"/> Cast Iron	<input type="text" value="YY"/>	<input type="text" value="YY"/>
<input type="checkbox"/> Galvanized Iron	<input type="text" value="YY"/>	<input type="text" value="YY"/>
<input type="checkbox"/> Ductile Iron	<input type="text" value="YY"/>	<input type="text" value="YY"/>
<input type="checkbox"/> Cement Concrete	<input type="text" value="YY"/>	<input type="text" value="YY"/>
<input checked="" type="checkbox"/> Asbestos Cement	<input type="text" value="1.53"/>	<input type="text" value="YY"/>
<input type="checkbox"/> Other	<input type="text" value="YY"/>	<input type="text" value="YY"/>

Comments on INFRASTRUCTURE AND PIPELINE MATERIALS (publicly available):

**C1. DEAD-END FLUSHING PROGRAM** (./Content/2020EARHelp.htm#15.3)

Total No. in System	No. with Blowoffs	No. Flushed in 2020	Frequency of Flushing
<input type="text" value="457"/>	<input type="text" value="256"/>	<input type="text" value="25"/>	<input type="text" value="Upon request"/>

Comments on DEAD-END FLUSHING PROGRAM (publicly available):

**C2. ALL FLUSHING OPERATIONS**

- Pick one--
- Gallons
- Million Gallons
- Acre-feet (AF)
- 100 cubic feet
- N/A

Units of Measure for total volume reported below:

Total Volume in units of measure selected above; include all types of flushing, not just dead-end flushing: [?](#) (../Content/2020Help.html#SB555)

149867

Comments on ALL FLUSHING OPERATIONS (publicly available): YY

**D. VALVE EXERCISE PROGRAM** [?](#) (../Content/2020EARHelp.htm#15.4)

Size Range of Valves	Total No. in System	No. Exercised in 2020	Frequency of Valve Exercising
3"-18"	4704	YY	10 Years

Comments on VALVE EXERCISE PROGRAM (publicly available): YY

**E. STORAGE TANK/RESERVOIR INSPECTION/CLEANING PROGRAM** [?](#) (../Content/2020EARHelp.htm#15.5)

Check this box if your public water system has any storage tanks or reservoirs (Do not include pressure tanks).

\*Click here to upload an Excel spreadsheet (../TakeSurvey/UploadGrid?surveysTakenId=427324&surveyId=1049&questionId=28885) of your water system's Storage Tank/Reservoir Inspection/Cleaning Program.\*

Tank name	Capacity (in million gallons, MG)	Year installed	Date of last inspection	Date of last cleaning	Date re-lined or coated	Corrosion protection
Marshall	2	1990				

COMMENTS (Note: Comments will be made publicly available): [?](#) (../Content/2020EARHelp.htm#15.6) YY

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**16. Emergency Preparedness and Response** [?](#) (../Content/2020EARHelp.htm#16)

**A. AUXILIARY POWER SUPPLY** [?](#) (../Content/2020EARHelp.htm#16.1)

Does your water system have backup power for:

1. Sources:

- Pick one--
- All
- Some
- None
- Not Applicable
- Pick one--

2. Pumping Stations:

- All
- Some
- None
- Not Applicable



3. Water Treatment Plants:

- Pick one--
- All
- Some
- None
- Not Applicable

If your system has backup power, how many times per year is it exercised?

Can your system maintain system pressure in all pressure zones either by backup power or by gravity fed storage during power outages for each of the following number of hours?

24 hours

- Pick one--
- Yes
- No
- Only in some zones
- Pick one--

48 hours

- Yes
- No
- Only in some zones
- Pick one--

72 hours

- Yes
- No
- Only in some zones
- Pick one--

Is your backup power system automatic or manual start?:

- Automatic
- Manual Start
- Not Applicable

**B. EMERGENCY RESPONSE PLANS** [?](#) (../Content/2020EARHelp.htm#16.2)

**PUBLIC WATER SYSTEMS WITH AT LEAST 3,300 OR MORE PERSONS SHOULD REVIEW AND REVISE THEIR EMERGENCY RESPONSE PLAN TO ENSURE THAT THE PLANS ARE SUFFICIENT TO ADDRESS POSSIBLE DISASTER SCENARIOS.**

Do you have an Emergency Response Plan (ERP) that addresses the procedures for the restoration of water service for your water system?

- Pick one--
- Yes
- No

Date of your current Emergency Response Plan:

Date ERP was last exercised with a tabletop or other activity:

Are you registered in your local energy utility's Public Safety Power Shutoff notification plan?

- Pick one--
- Yes
- No
- Not applicable

**COMMENTS** (Note: Comments will be made publicly available): [?](#) (../Content/2020EARHelp.htm#16.4)

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**17. Water Conservation and Drought** [?](#) (../Content/2020EARHelp.htm#17)

1. Date of your revised Drought Preparedness Plan or Water Shortage Contingency Plan, if any: ? (../Content/2020EARHelp.htm#17.1)

08/01/2001

Water system does not have a current drought or water shortage plan, mark box if applies:

2. Did your water system experience water shortages in 2020? ? (../Content/2020EARHelp.htm#17.3)

- Pick one--
- Yes
- No

If yes, please estimate the amount of shortfall in units selected for this section

Volume of water:

YY

Units of Measure: ? (../Content/2020EARHelp.htm#17.2)

- Pick one--
- Gallons
- Million Gallons
- Acre-feet(AF)
- 100 cubic feet

--Pick one--

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8+

3. How many water-shortage response stages are in your drought plan? For "non-applicable", enter zero.

--Pick one--

4. Did drought conditions cause you to activate emergency standby wells in 2020?

- Yes
- No
- Not Applicable (no wells)

5. Do you project water shortages in the current calendar year? ? (../Content/2020Help.htm#WaterShortages)

- Pick one--
- Yes
- No

6. Does your water system anticipate having to go to mandatory restrictions in the upcoming year? ? (../Content/2020EARHelp.htm#17.4)

- Pick one--
- Yes
- No

7. Identify the method your water system uses to discourage excessive water use when in drought, in support of SB 814 (2016) (Check as applicable)

- 7a. Rate structure (e.g., block tiers, water budgets, or rate surcharges above base rates for excessive water use)
- 7b. Excessive water use ordinance, rule, or tariff condition
- 7c. Not implementing
- 7d. Not applicable: not an urban retail water supplier ? (../Content/2020EARHelp.htm#17.5)
- 7e. COMMENTS REGARDING SB 814 (Note: Comments will be made publicly available) : YY

8. To identify data streamlining opportunities, are there other government agencies, aside from the Department of Water Resources, that require reports on the same information found in the Electronic Annual Report? If yes, please describe (include the title of the report, which agency receives it, and the type of information it includes): YY

Only complete the questions below if you are an Urban Retail Water Supplier ? (../Content/2020Help.html#S16URWS)

Conservation legislation (AB 1668 and SB 606, 2018) requires that the Department of Water Resources recommend standards to calculate water use objectives (targets representing efficient water use) for each urban retail water supplier. The State Water Board will use those recommendations to adopt regulations in July 2022. The questions below inform this process.

9. What conservation activities occurred in your service area in 2020?

a. Provide a direct link to a web page that summarizes conservation activities in your service area, if available. [?](#) (../Content/2020Help.html#S16-9a)

b. If a webpage is not available, send an email (click here) (mailto:WaterConservation@waterboards.ca.gov?subject=PWSID%20CA3310022,%20Water%20Conservation%20Activities) with the document, Subject line: PWSID CA \_\_\_\_\_, Water Conservation Activities

10. Have you tracked how much your water system spent on conservation and efficiency programs in the last fiscal year?

a. If known, enter those expenditures \$

b. If detailed in a document, provide a direct link to a web page with information:

11. Have you tracked how much water was saved as a result of those programs?

a. If known, enter those savings:  b. Units of measure:

- Pick one--
- Gallons (Gal)
- 100 cubic feet
- Thousand Gallons
- Million Gallons
- Acre-feet
- Not applicable

b. If detailed in a document, provide a direct link to a web page with information:

12. Have you estimated the "saturation" or percentage of water efficient appliances and fixtures already in your service area? [?](#) (../Content/2020EARHelp.htm#17.7)

- Pick one--
- Yes
- No

a. If yes, provide a direct link to a web page with information:

b. Alternatively, if a webpage is not available, send an email (click here) (mailto:WaterConservation@waterboards.ca.gov?subject=PWSID%20CA3310022,%20water%20efficiency%20of%20appliances%20and%20fixtures) with the document, Subject line: PWSID CA \_\_\_\_\_, water efficiency of appliances and fixtures [?](#) (../Content/2020Help.html#S16-12b)

13. Do you currently use imagery to evaluate demand for outdoor use? [?](#) (../Content/2020EARHelp.htm#17.8)

- Pick one--
- Yes
- No

Comment:

14. Does your water system currently grant water rate or allocation variances or adjustments to customers that have significant and unusual situations? [?](#) (../Content/2020EARHelp.htm#17.9)

- Pick one--
- Yes
- No

If no, skip this question and go to question 15 below.

a. How many types of adjustments or variances do you provide? [?](#) (../Content/2020EARHelp.htm#17.10)

Variance 1 How is the amount of the variance or adjustment determined?

- Pick one--
- Agricultural use (non-commercial or commercial)
- Drought factor
- Elevation
- Evaporative Coolers
- Fire protection - water to irrigate vegetation
- Home-based business
- Livestock or large animals
- Lot size

- Medical needs
- Meter size
- Mitigation of high levels of total dissolved solids
- Occupancy (All-year)      Significance to water demand for the water system? [?](#) (../Content/2020Help.html#S16-14a-sig)
- Occupancy (Seasonal)
- Pressure zone
- Soil compaction and dust control
- Supplement ponds and lakes to sustain wildlife

- Pick one--
- High
- Medium
- Low

Variance 2

- Pick one--
- Agricultural use (non-commercial or commercial)      How is the amount of the variance or adjustment determined? [?](#) (../Content/2020Help.html#S16-14a-det) YY
- Drought factor
- Elevation
- Evaporative Coolers
- Fire protection - water to irrigate vegetation
- Home-based business
- Livestock or large animals
- Lot size
- Medical needs
- Meter size      Significance to water demand for the water system? [?](#) (../Content/2020Help.html#S16-14a-sig)
- Mitigation of high levels of total dissolved solids
- Occupancy (All-year)
- Occupancy (Seasonal)
- Pressure zone
- Soil compaction and dust control
- Supplement ponds and lakes to sustain wildlife

- Pick one--
- High
- Medium
- Low

Variance 3

- Pick one--
- Agricultural use (non-commercial or commercial)      How is the amount of the variance or adjustment determined? [?](#) (../Content/2020Help.html#S16-14a-det) YY
- Drought factor
- Elevation
- Evaporative Coolers
- Fire protection - water to irrigate vegetation
- Home-based business
- Livestock or large animals
- Lot size
- Medical needs
- Meter size      Significance to water demand for the water system? [?](#) (../Content/2020Help.html#S16-14a-sig)
- Mitigation of high levels of total dissolved solids
- Occupancy (All-year)
- Occupancy (Seasonal)
- Pressure zone
- Soil compaction and dust control
- Supplement ponds and lakes to sustain wildlife

- Pick one--
- High
- Medium
- Low

Variance, Other: YY      How is the amount of the variance or adjustment determined? [?](#) (../Content/2020Help.html#S16-14a-det) YY

- Pick one--
- High
- Medium
- Low

Significance to water demand for the water system? [?](#) (../Content/2020Help.html#S16-14a-sig)

15. Do you intend to use the potable reuse water bonus incentive explained in CWC 10609.20(d)? [?](#) (../Content/2020EARHelp.htm#17.11)

- Pick one--
- Yes
- No

(If you have questions about this please contact State Water Board staff by email at: [waterconservation@waterboards.ca.gov](mailto:waterconservation@waterboards.ca.gov) (mailto:waterconservation@waterboards.ca.gov). State Water Board staff will follow up with those suppliers who answer "yes". This information is being asked at this time to help staff estimate the impacts of SB 606 and AB 1668, as required for the regulatory process)

COMMENTS (Note: Comments will be made publicly available): [?](#) (../Content/2020EARHelp.htm#17.12)

Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) (https://www.waterboards.ca.gov/drinking\_water/programs/).

CA3310022 LAKE HEMET MWD

To view last year's report, click here (https://ear.waterboards.ca.gov/TakeSurvey/PreviousSummary?surveysTakenId=427324).

**18. Climate Change Adaptation and Resiliency for Water Utilities** [?](#) (../Content/2020EARHelp.htm#18)

A. CLIMATE THREATS, SENSITIVITY, AND MAGNITUDE OF IMPACTS <a href="#">?</a> (../Content/2020EARHelp.htm#18.2)	
<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Groundwater	Decreased water storage (low lake and reservoir levels) <div style="float: right;">                         Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input checked="" type="radio"/> Medium Sensitivity  <input type="radio"/> None to Low Sensitivity                     </div>
	Groundwater depletion (increased extraction, reduced groundwater recharge, etc.) <div style="float: right;">                         Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input checked="" type="radio"/> None to Low Sensitivity                     </div>
	Change in seasonal runoff and/or loss of snowmelt <div style="float: right;">                         Choose an item  <input type="radio"/> --Pick one--  <input checked="" type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input type="radio"/> None to Low Sensitivity                     </div>
	Region relies on water diverted from the Delta, imported from the Colorado River, or other climate-sensitive area <div style="float: right;">                         Choose an item  <input type="radio"/> --Pick one--  <input type="radio"/> High or Already Experiencing  <input type="radio"/> Medium Sensitivity  <input checked="" type="radio"/> None to Low Sensitivity                     </div>

<input checked="" type="checkbox"/> Water Quality Degradation	Salt-water intrusion into aquifers	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
	Altered water quality during storm events (turbidity shifts, debris flows)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
	Surface water quality issues related to eutrophication, algal blooms, invasive species	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
<input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Sea Level Rise	High flow events and flooding	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
	Inundation due to sea level rise, high tides, and/or coastal storm surges	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
	Aging flood protection infrastructure (levees), or insufficient impoundment capacity	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
<input checked="" type="checkbox"/> Extreme Heat	Peak demand volume surges (due to extreme heat, temperature trends, etc.)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
	Increases in agricultural water demand or energy sector needs	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity

<input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Other	Increased fire risk and altered vegetation, e.g., wildfires	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
	Disruption of power supply	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input checked="" type="radio"/> Medium Sensitivity <input type="radio"/> None to Low Sensitivity
	Other <input type="text" value="YY"/>	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> High or Already Experiencing <input type="radio"/> Medium Sensitivity <input checked="" type="radio"/> None to Low Sensitivity
<input type="checkbox"/> None	Active Water Resource Threat Monitoring	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> I don't know

**B. ADAPTATION MEASURES** [?](#) ([../Content/2020EARHelp.htm#18.3](#))

Install new and deeper drinking water wells, or modify existing wells to increase pumping capacity	Choose an item <input type="radio"/> --Pick one-- <input checked="" type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Develop local supplemental water supply, enhanced treatment, or increased storage capacity (e.g. recycled water, storm runoff for groundwater recharge, desalination, new reservoir)	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input checked="" type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Interconnection with other utilities (transfers, mutual aid agreements with neighboring utilities)	Choose an item <input type="radio"/> --Pick one-- <input checked="" type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

<p>Relocate facilities, construct or install redundant facilities</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Completed</li> <li><input checked="" type="radio"/> In Progress</li> <li><input type="radio"/> Plan to Implement</li> <li><input type="radio"/> Will not Implement</li> <li><input type="radio"/> N/A</li> </ul>
<p>Modify facilities (e.g., install barrier or levee, raise a wall, seal a door, elevate construction)</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Completed</li> <li><input type="radio"/> In Progress</li> <li><input type="radio"/> Plan to Implement</li> <li><input type="radio"/> Will not Implement</li> <li><input checked="" type="radio"/> N/A</li> </ul>
<p>Conservation measures (demand management, enhanced communication and outreach)</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Completed</li> <li><input checked="" type="radio"/> In Progress</li> <li><input type="radio"/> Plan to Implement</li> <li><input type="radio"/> Will not Implement</li> <li><input type="radio"/> N/A</li> </ul>
<p>Fire prevention – brush management, partnerships</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Completed</li> <li><input type="radio"/> In Progress</li> <li><input type="radio"/> Plan to Implement</li> <li><input type="radio"/> Will not Implement</li> <li><input checked="" type="radio"/> N/A</li> </ul>
<p>Alternative or backup energy supply</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input checked="" type="radio"/> Completed</li> <li><input type="radio"/> In Progress</li> <li><input type="radio"/> Plan to Implement</li> <li><input type="radio"/> Will not Implement</li> <li><input type="radio"/> N/A</li> </ul>
<p>On-site energy generation</p>	<p>Choose an item</p> <ul style="list-style-type: none"> <li><input type="radio"/> --Pick one--</li> <li><input type="radio"/> Completed</li> <li><input type="radio"/> In Progress</li> <li><input type="radio"/> Plan to Implement</li> <li><input type="radio"/> Will not Implement</li> <li><input checked="" type="radio"/> N/A</li> </ul>



Enhance monitoring program, budget for additional testing and treatment, chemicals	Choose an item <input type="radio"/> --Pick one-- <input type="radio"/> Completed <input checked="" type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A
Other <input type="text" value="YY"/>	Choose an item <input checked="" type="radio"/> --Pick one-- <input type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> Plan to Implement <input type="radio"/> Will not Implement <input type="radio"/> N/A

COMMENTS (Note: Comments will be made publicly available): [?](#) (../Content/2020EARHelp.htm#18.4)

**Need Help Completing the EAR. Click HERE ([https://www.waterboards.ca.gov/drinking\\_water/programs/](https://www.waterboards.ca.gov/drinking_water/programs/)).**  
CA3310022 LAKE HEMET MWD

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### 19. Lead Service Line Replacement [?](#) (../Content/2020EARHelp.htm#19)

*If your water system completed a timeline for replacement plan in 2020, you must read and complete this section*

#### BACKGROUND - UPDATED

Under California Health and Safety code, Section 116885, added by Senate Bill 1398 (2016) and amended by Senate Bill 427 (2017), all community water systems (CWS) were required to compile an inventory of known lead user service lines in its distribution system by July 1, 2018. The inventory includes all user service lines that are active and those that are reasonably expected to become active in the future. In addition, the inventory has to include any areas for which the CWS cannot determine the content of the service line. CWS were further required to propose a schedule to replace all the known lead user service lines and user service lines constructed of unknown material by July 1, 2020.

DDW is utilizing the electronic annual report (eAR) to gather and update the timeline for replacement spreadsheet. You need to update your timeline for replacement annually.

For additional information including the spreadsheet template, certification form and Facts Sheet, please visit [https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html) ([https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html))

If you have questions about completing this section of the report, please contact [David.Pimentel@Waterboards.ca.gov](mailto:David.Pimentel@Waterboards.ca.gov) or call (916) 323-0572.

#### COMPLIANCE WITH LEAD SERVICE LINE REPLACEMENT REQUIREMENT - UPDATED

If the CWS reported lead or unknown material service lines or fittings in the 2019 EAR LSLR section (rows A, B, M and/or O are NOT equal to 0), the CWS must submit an updated Replacement Timeline spreadsheet (SS) to reflect the lines and fittings that have been replaced or any changes to the timeline previously submitted. Updating the Replacement Timeline letter (LTR) is optional but would be helpful if the water system is not meeting the timeline previously approved. Click on the HERE link below to upload the revisions. A new browser tab will open which has the Replacement Timeline LTR and SS upload locations at the bottom of the page, after you have uploaded the documents navigate back this browser tab to complete the Finalize section of the EAR after the uploads are completed.

Click [HERE](#) (../PwsUser/PWSLSLRList?PwsID=CA3310022) to open the LSLR uploads page

The timeline spreadsheet template and FAQs on this requirement can be found on the [Lead Service Line Inventory Requirement for Public Water Systems webpage in the Resource and supplemental material section \(bottom of page\) at:](#)

[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html) ([https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/lead\\_service\\_line\\_inventory\\_pws.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/lead_service_line_inventory_pws.html))

COMMENTS (Note: Comments will be made publicly available): [?](#) (../Content/2020EARHelp.htm#19.2)

**Need Help Completing the EAR. Click [HERE](https://www.waterboards.ca.gov/drinking_water/programs/) (https://www.waterboards.ca.gov/drinking\_water/programs/).  
CA3310022 LAKE HEMET MWD**

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**Finalize** [?](#) (./Content/2020EARHelp.htm#20)

**Disclosure: Be advised that Sections 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purposes of compliance may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that the violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of the violation, or be imprisoned in county jail not to exceed one year, or both the fine and imprisonment.**

Please indicate the total number of hours spent to complete this report. This information will be utilized to characterize the level of effort required to complete this report

By checking this box you acknowledge that any information submitted in this report is publicly accessible and may be used by the State of California to determine compliance with applicable laws and regulations. Knowingly submitting false information in this report is a misdemeanor, and by submitting this information you certify that the contents are, to the best of your knowledge, complete and correct.

REPORT SUBMITTED BY [?](#) (./Content/2020EARHelp.htm#20.2)

Name:

Title:

Work phone:

Cell phone:

Email address:

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# **APPENDIX I**

## **WATER SHORTAGE CONTINGENCY PLAN**

**Lake Hemet Municipal Water District**

# **Water Shortage Contingency Plan**

**2020**



**December 2021**

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## 8.1 Water Supply Reliability Analysis

*CWC 10632(a)(1) The analysis of water supply reliability conducted pursuant to Section 10635.*

LHMWD sources of supply and reliabilities are covered in Chapters 6 and 7 of the 2020 UWMP. Sources consist of locally pumped groundwater from the San Jacinto Basin, surface water diversions from the San Jacinto River System and water purchases from the Eastern Municipal Water District (EMWD).

With the ability to purchase supplemental groundwater and imported water from the Hemet-San Jacinto Watermaster and/or EMWD, the District can sufficiently meet anticipated demands in the event of droughts or other water shortages.

## 8.2 Annual Water Supply and Demand Assessment Procedures

*CWC 10632 (a)(2) The procedures used in conducting an annual water supply and demand assessment that include, at a minimum, both of the following:*

*(A) The written decision-making process that an urban water supplier will use each year to determine its water supply reliability.*

*(B) The key data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year, including all of the following:*

*(i) Current year unconstrained demand, considering weather, growth, and other influencing factors, such as policies to manage current supplies to meet demand objectives in future years, as applicable.*

*(ii) Current year available supply, considering hydrological and regulatory conditions in the current year and one dry year. The annual supply and demand assessment may consider more than one dry year solely at the discretion of the urban water supplier.*

*(iii) Existing infrastructure capabilities and plausible constraints.*

*(iv) A defined set of locally applicable evaluation criteria that are consistently relied upon for each annual water supply and demand assessment.*

*(v) A description and quantification of each source of water supply.*

*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.*

Beginning on July 1, 2021, water suppliers are required to submit an Annual Water Supply and Demand Assessment (Annual Assessment) to the DWR. The Annual Assessment will include a written decision-making process as well as the data and methodologies used to complete the assessment.

### **8.2.1 Decision Making Process**

LHMWD will evaluate potable and non-potable supplies and demands and determine whether a water shortage exists based on the condition of existing groundwater sources, surface water sources, the District's ability to import water and the current/expected climate in the spring of each year. In the event it is determined that a shortage exists, the level of shortage and appropriate responses will be evaluated and included in the Assessment. The Assessment will be submitted to the DWR by July 1, 2021 or within 14 days of receiving notification of final allocations, whichever is later.

### **8.2.2 Data and Methodologies**

The District will evaluate available supplies for the current year while considering the possibility of a following dry year using the following primary data and methodologies:

#### **Evaluation Criteria**

Locally applicable evaluation criteria will include current existing local rainfall and groundwater levels in relation to historical levels, any changes imported water availability and current demands.

#### **Water Supply**

Available supplies will be listed based on current capacities for each source and any expected short-term reductions or increases.

#### **Unconstrained Customer Demand**

Expected unconstrained demands will be estimated and reviewed using current consumption data and 2020 UWMP projections in addition to any newly available information regarding increased service connections or changes in land use.

#### **Current and Subsequent Dry Year Water Use**

Expected water use for the current year will be described using current data and anticipated climate with the assumption that the following year will be dry.

#### **Infrastructure Considerations**

Existing production capacities and distribution facilities will be reviewed and evaluated based on the ability to supply expected demands. Anticipated capital improvements which are expected to affect production will also be considered.

#### **Other Factors**

Any additional factors or conditions which may affect District supplies will also be considered.

### 8.3 Six Standard Water Shortage Stages

*CWC 10632 (a)(3) (A) 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. Urban water suppliers shall define these shortage levels based on the suppliers' water supply conditions, including percentage reductions in water supply, changes in groundwater levels, changes in surface elevation or level of subsidence, or other changes in hydrological or other local conditions indicative of the water supply available for use. Shortage levels shall also apply to catastrophic interruption of water supplies, including, but not limited to, a regional power outage, an earthquake, and other potential emergency events.*

*(B) An urban water supplier with an existing water shortage contingency plan that uses different water shortage levels may comply with the requirement in subparagraph (A) by developing and including a cross-reference relating its existing categories to the six standard water shortage levels.*

The California Water Code requires water suppliers to include six standard water shortage stages representing associated shortages from normal supply and reliability (up to ten, twenty, thirty, forty, fifty, and greater than fifty percent). Table E (DWR Table 8-1) below provides a brief description of the six standard stages.

Table E.

Submittal Table 8-1 Water Shortage Contingency Plan Levels		
Shortage Level	Percent Shortage Range	Shortage Response Actions (Narrative description)
1	Up to 10%	Stage 1 - Voluntary ten percent reduction in water consumption
2	Up to 20%	Stage 2 - Emergency conservation rate structure implementation
3	Up to 30%	Stage 3 - Water waste ban, water use restrictions, enforcement penalties and fines
4	Up to 40%	Stage 4 - Increased water use restrictions, increased conservation rates, increased penalties and fines
5	Up to 50%	Stage 5 - Further Increased water use restrictions, increased conservation rates, increased penalties and fines
6	>50%	Stage 6 - Further Increased water use restrictions, increased conservation rates, increased penalties and fines
NOTES: Specific response actions listed in Table 8-2		

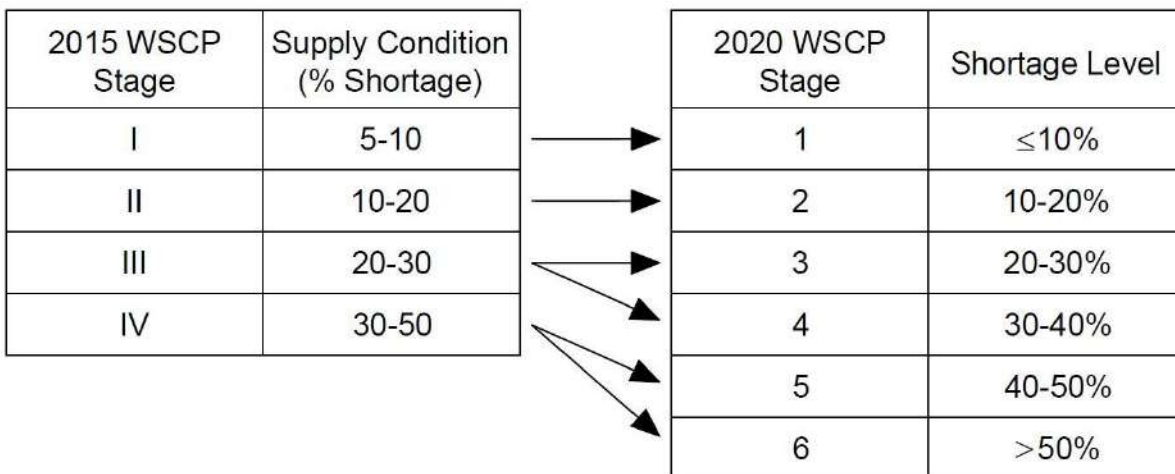


The District’s WSCP from 2015 utilized four shortage stages which are related to the current six shortage stages required in the 2020 WSCP as follows:

- Stage 1 representing a shortage of up to ten percent is addressed using the previous Stage 1 triggers and responses
- Stage 2 representing a shortage of between ten and twenty percent is addressed using the previous State 2 triggers and responses
- Stage 3 representing a shortage of between twenty and thirty percent is addressed using the previous Stage 3 triggers and responses
- Stage 4 representing a shortage of between thirty and forty percent is addressed using the previous Stage 3 triggers and responses
- Stage 5 representing a shortage of between forty and fifty percent is addressed using the previous Stage 4 triggers and responses
- Stage 6 representing a shortage of more than fifty percent is addressed using the previous Stage 4 triggers and responses

A crosswalk diagram showing the six standard shortage levels in relation to the four previous shortage levels is shown below.

**Corresponding Relationships Between 2015 Shortage Levels and 2020 WSCP Mandated Shortage Levels**



## **8.4 Shortage Response Actions**

*CWC 10632 (a)(4) Shortage response actions that align with the defined shortage levels and include, at a minimum, all of the following:*

*(A) Locally appropriate supply augmentation actions.*

*(B) Locally appropriate demand reduction actions to adequately respond to shortages.*

*(C) Locally appropriate operational changes.*

*(D) Additional, mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions and appropriate to the local conditions.*

*(E) For each action, an estimate of the extent to which the gap between supplies and demand will be reduced by implementation of the action.*

### **8.4.1 Demand Reduction**

LHMWD utilizes consumption reduction methods to lower potable water demands. The demand reduction actions that will be implemented for each corresponding shortage level are detailed below in general. Table 8-2 included in Section 8.4.7 lists specific actions and associated reductions.

#### **Stage 1 Water Supply Shortage Level**

Shortage Level 1 is triggered by a determination of the following:

- Existence of drought conditions
- A general water shortage of up to ten percent locally and/or statewide and lowered reserves

The District may activate by resolution a voluntary ten percent reduction in water consumption of retail users by refraining from hosing down driveways and other hard surfaces, repairing faucets, toilets and other sources of water leaks, and irrigating between 5 p.m. and 10 a.m., to minimize evaporation and to reduce peak demands in mid-afternoon. Leak detection and repair program will be accelerated and public education will be increased.

#### **Stage 2 Water Supply Shortage Level**

Shortage Level 2 is triggered by the determination of the following:

- Continuation of drought conditions
- A reduction in water supply and production of up to twenty percent
- Limited surface water availability
- Limited wholesale supplemental water

The District may activate by resolution an emergency rate structure to result in further conservation. Stage 1 reduction methods would be maintained with increased public education and conservation awareness campaigns.

### **Stage 3 Water Supply Shortage Level**

Shortage Level 3 is triggered by the determination of the following:

- Continuation and worsening of drought conditions
- A reduction in water supply and production of up to thirty percent
- Further limited surface and supplemental water availability
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass an emergency ordinance(s) restricting certain water uses, banning all forms of waste, increasing emergency rates and limiting or banning additional service connections. A system of enforcement and penalties to regulate the restrictions and assure a fair and equal use of water resources would be implemented as well. Stage 1 and 2 reduction methods would be maintained. Public information and education would be further increased to keep the public aware and informed of all aspects of the emergency.

### **Stage 4 Water Supply Shortage Level**

Shortage Level 4 is triggered by the determination of the following:

- Continuation and worsening of drought conditions
- A reduction in water supply and production of up to forty percent
- Unavailability of surface water
- Rationing of supplemental water
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass emergency ordinance(s) or resolutions limiting or banning additional service connections, further restricting certain water uses, increasing emergency rates and implementing higher fines and penalties. Stage 1, 2 and 3 reduction methods would be maintained. Public information and education would continue to keep the public aware and informed of all aspects of the emergency.

### **Stage 5 Water Supply Shortage Level**

Shortage Level 5 is triggered by the determination of the following:

- Critical drought conditions
- A reduction in water supply and production of up to fifty percent
- Unavailability of surface water
- Further rationing of supplemental water
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass emergency ordinance(s) or resolutions limiting or banning additional service connections, further restricting certain water uses, increasing emergency rates and implementing higher fines and penalties. Stage 1, 2, 3 and 4 reduction methods would be maintained. An intensive public information and education campaign would be implemented to maintain public awareness of all aspects of the emergency.

### **Stage 6 Water Supply Shortage Level**

Shortage Level 6 is triggered by the determination of the following:

- Extreme drought conditions
- A reduction in water supply and production of more than fifty percent
- Unavailability of surface water
- Unavailability or further rationing of supplemental water
- An emergency situation involving groundwater aquifers which prevents or limits further pumping by the District

The District may pass emergency ordinance(s) or resolutions limiting or banning additional service connections, further restricting certain water uses, increasing emergency rates and implementing higher fines and penalties. Stage 1, 2, 3, 4 and 5 reduction methods would be maintained. Intensive public information and education campaign would be continued to maintain public awareness of all aspects of the emergency.

### **8.4.2 Supply Augmentation**

LHMWD continually analyzes options for adding to the water supply and increasing reliability. The District relies primarily on the demand reduction actions covered in both the UWMP and WSCP to ensure existing sources continue to meet demands. While there are not currently any plans to add new sources of water, increasing supplies from existing sources is considered. This is accomplished through increased groundwater production and the ability to purchase additional imported water as needed. DWR Table 8-3 below lists available supply augmentations.

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
All	Expand Public Information Campaign	1%	
All	Improve Customer Billing	1%	
All	Other Purchases	Varies	LHMWD has the ability to purchase additional imported water
NOTES:			

### 8.4.3 Operational Changes

Changes to District operations in response to water shortages include the avoidance of routine line and hydrant flushing and replacement of leaking waterlines and facilities to reduce the unmetered water losses. As discussed in Section 8.6, the District already utilizes automatic meters which aid in the tracking and analysis of customer water usage. It is anticipated that increased monitoring for leaks and usage reporting provided to customers will result in additional demand reduction.

### 8.4.4 Additional Mandatory Restrictions

Mandatory restrictions which can be implemented in response to supply shortage conditions and declaration of a water shortage are covered in Section 8.4.1. In the event it is determined that additional restrictions are needed, they may be implemented per the procedures covered in Sections 8.10 and 8.12.

### 8.4.5 Emergency Response Plan

LHMWD’s Emergency Response Plan (ERP) includes staff responsibilities and procedures for responding to a catastrophic interruption of water supplies. The two catastrophic events that would most likely affect water supply and delivery would be a regional power outage and an earthquake. A power outage would cause the District’s well and booster pumps to shut down, interrupting the supply of water to customers. In anticipation of such an event occurring, the District maintains generators that will supply power to several well sites and hillside booster stations. These backup power sources would help to maintain water levels in the storage tanks until the power company got its distribution grid re-energized. If necessary, customers would be notified of the problem

and asked to refrain from unnecessary watering. Earthquake considerations are covered in Section 8.4.6 and a table showing planned response actions is shown below.

Possible Catastrophe	Summary of Action
Regional Power Outage	On-site generators at 7 major well sites will be utilized; notify public of emergency and ask to eliminate unnecessary use of water; Implement Emergency Response Plan; SEMS
Earthquake	Implement Emergency Response Plan; SEMS

### **8.4.6 Seismic Risk Assessment and Mitigation Plan**

*CWC 10632.5. (a) In addition to the requirements of paragraph (3) of subdivision (a) of Section 10632, beginning January 1, 2020, the plan shall include a seismic risk assessment and mitigation plan to assess the vulnerability of each of the various facilities of a water system and mitigate those vulnerabilities.*

*(b) An urban water supplier shall update the seismic risk assessment and mitigation plan when updating its urban water management plan as required by Section 10621.*

*(c) An urban water supplier may comply with this section by submitting, pursuant to Section 10644, a copy of the most recent adopted local hazard mitigation plan or multihazard mitigation plan under the federal Disaster Mitigation Act of 2000 (Public Law 106-390) if the local hazard mitigation plan or multihazard mitigation plan addresses seismic risk.*

LHMWD is located within Riverside County. The Riverside County Local Hazard Mitigation Plan includes seismic risk assessment and is available at <https://rivcoemd.org/LHMP>.

Similar to much of the State of California, the LHMWD service area includes fault lines capable of producing earthquakes with the potential to cause significant damage and compromise functionality of the District’s water system and supplies. These include the Casa Loma, Park Hill and Claremont Faults as shown in Figure 1 of the 2020 UWMP. In the event of an earthquake, the ability of the District to regain full functionality of its system would depend on the severity of the earthquake and the extent of the subsequent damage. The District is in the process of upgrading its storage facilities to prevent pipelines from rupturing at the connections to the tanks and anchoring the tanks to their bases. These are preventative measures design to minimize damage during an earthquake. After an event occurs, district personnel will respond to storage tanks, well sites and other critical facilities to assess and report any damage. The District’s emergency response plan which includes coordination with other agencies through the Standard Emergency Management System (SEMS) will be implemented.

### 8.4.7 Shortage Response Action Effectiveness

Shortage response action effectiveness is estimated based on District experience and observations. Table G (DWRTable 8-2) below lists response actions and associated effectiveness.

Table G.

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only Drop Down List</i>
<i>Add additional rows as needed</i>				
All	Expand Public Information Campaign	1%		No
All	Offer Water Use Surveys	1%		No
All	Decrease Line Flushing	3%		No
2	Improve Customer Billing	1%		No
3	Landscape - Restrict or prohibit runoff from landscape irrigation	2-5%		Yes
3	Landscape - Limit landscape irrigation to specific days	5-7%		Yes
3	CI - Lodging establishment must offer opt out of linen service	2-5%		Yes
3	CI - Restaurants may only serve water upon request	1%		Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	3%		Yes
3	Other - Require automatic shut of hoses	2%		Yes
3	Other - Prohibit use of potable water for washing hard surfaces	2-5%		Yes
3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	2%		Yes
4	Increase Water Waste Patrols	2%		No
4	Increase Frequency of Meter Reading	1%		No
4	Moratorium or Net Zero Demand Increase on New Connections	5-10%		No
4	Landscape - Prohibit certain types of landscape irrigation	2-5%		Yes
5	Other - Prohibit use of potable water for construction and dust control	5%		Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	5%		Yes
5	Pools - Allow filling of swimming pools only when an appropriate cover is in place	2-5%		Yes
5	Pools and Spas - Require covers for pools and spas	2-5%		Yes
6	Landscape - Prohibit all landscape irrigation	20%		Yes
NOTES:				

## 8.5 Communication Protocols

*CWC 10632. (a)(5) Communication protocols and procedures to inform customers, the public, interested parties, and local, regional, and state governments, regarding, at a minimum, all of the following:*

*(A) Any current or predicted shortages as determined by the annual water supply and demand assessment described pursuant to Section 10632.1.*

*(B) Any shortage response actions triggered or anticipated to be triggered by the annual water supply and demand assessment described pursuant to Section 10632.1.*

*(C) Any other relevant communications.*

The District anticipates using the DWR Annual Assessment to evaluate supply shortage conditions. When supply shortage stage conditions are determined to exist, the conditions may be declared by resolution and adopted at a regular or special meeting of the LHMWD Board of Directors with requirements and actions applicable to each stage taking effect after the stage level is declared. Communication protocols for notifying customers may include regularly posted meeting agendas, special postings to the Districts website, billing inserts for both mailed and emailed statements, door hangars, and direct contact with customers by District Staff.

## 8.6 Compliance and Enforcement

*CWC 10632. (a)(6) For an urban retail water supplier, customer compliance, enforcement, appeal, and exemption procedures for triggered shortage response actions as determined pursuant to Section 10632.2.*

The WSCP includes voluntary demand reduction of 10% which is facilitated primarily through public education and tiered rates. The District utilizes automatic meters which aid in determining leaks and violations.

The District will provide violators a warning and description of the violation at the premises on which it occurred. The taking of any prohibited action is an infraction, punishable by a fine of up to five hundred dollars for each day in which the violation occurs. In the event that mandatory restrictions are imposed and require enforcement, the District will issue progressively increasing fines per LHMWD Resolution 752 which is appended to the 2020 UMWP as follows:

1 <sup>st</sup>	Offense -	Warning
2 <sup>nd</sup>	Offense -	Warning
3 <sup>rd</sup>	Offense -	Warning
4 <sup>th</sup>	Offense -	\$50 Fine
5 <sup>th</sup>	Offense -	\$100 Fine
6 <sup>th</sup>	Offense -	\$500 Fine



## 8.7 Legal Authorities

*CWC 10632. (a)(7)(A) A description of the legal authorities that empower the urban water supplier to implement and enforce its shortage response actions specified in paragraph (4) that may include, but are not limited to, statutory authorities, ordinances, resolutions, and contract provisions.*

*(B) A statement that an urban water supplier shall declare a water shortage emergency in accordance with Chapter 3 (commencing with Section 350) of Division 1.*

*(C) A statement that an urban water supplier shall coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency, as defined in Section 8558 of the Government Code.*

*CWC Division 1, Section 350 The governing body of a distributor of a public water supply, whether publicly or privately owned and including a mutual water company, shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.*

LHMWD Resolution No. 752 (Implementation of Mandatory Water Conservation) was adopted in 2015 and authorizes the General Manager to implement restrictions on water consumption in Section 3 in addition to the authority to ensure compliance and made amendments/refinements to water conservation actions and procedures. LHMWD Resolution No. 803 (Adoption of 2020 Urban Water Management Plan and Water Shortage Contingency Plan) authorizes the General Manager to declare water shortages and implement the programs set forth in the UWMP and WSCP. Resolution Nos. 752 and 803 are included in the appendix of the 2020 UWMP.

The District shall declare a water shortage as required and in accordance with Water Code Chapter 3 and shall coordinate with any city or county within which it provides water supply services for the proclamation of a local emergency, including the County of Riverside, City of Hemet and City of San Jacinto.

## 8.8 Financial Consequences of WSCP

*CWC 10632. (a)(8) A description of the financial consequences of, and responses for, drought conditions, including, but not limited to, all of the following:*

*(A) A description of potential revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).*

*(B) A description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).*

*(C) A description of the cost of compliance with Chapter 3.3 (commencing with Section 365) of Division 1.*

Potential financial consequences for the District caused by the implementation of WSCP actions include reduced revenue due to reduced water use as well as increased staffing requirements for implementing and tracking response actions. While reduced water consumption will result in lower water sales and revenue, associated costs tend to be lower such as pumping power costs, water purchase costs, and chlorine disinfection costs. However, a portion of costs are fixed and not dependent on water volume such as billing, meter reading, water quality testing, administration, pipeline maintenance, standby utility costs, and facility maintenance. As with many agencies, LHMWD rates include a fixed portion that is not dependent on water consumption. The fixed portion of the rate structure provides a more stable and consistent revenue source and protects LHMWD from fluctuations associated with water consumption. In 2015, fixed portion of the rate was increased 2/3. These increases should provide steady levels of adequate revenue for vital LHMWD functions to offset anticipated revenue losses associated with desired reduced consumption. LHMWD also maintains a rate stabilization fund to offset volatile fluctuations in revenue such as those from short term changes in water consumption.

Note for the last several years, LHMWD is already experiencing per capita water consumption that meets the 2020 target and the anticipated impacts on revenue. The rate increases and rate stabilization are having positive impacts toward LHMWD maintaining adequate fund balances.

### Analysis of Revenue Impacts of Reduced Sales During Shortages

Most, if not all, of the above demand reduction measures will impact the District financially through reduced water sales. These measures primarily target the domestic system customer sectors more so than the agricultural sector as farmers have already invested heavily in water saving equipment and practices to maintain their market viability. If anything, irrigation sales will increase during a drought due to lack of rainfall and lower production from farmers' wells.

The anticipated revenue losses delineated in Table H are based on 10%, 20%, 30% and 50% reductions in water use from 2010 projected domestic system average year demand.

Table H. Actions and Conditions that Impact Revenues				
Type	Anticipated Revenue Reduction			
	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Reduced Domestic Sales	\$745,630	\$1,491,260	\$2,236,890	\$3,728,150
Reduced Irrigation Sales	0	0	0	0

Based on retail price of domestic water @ \$943 per acre-foot and 2010 average domestic demand of 7,907 acre-feet

During a drought, the costs of acquiring water increase. As groundwater levels drop, more electricity would be required to lift the water to the surface. Pumps designed to operate at shallower groundwater levels would need to be replaced with deep water designs. Higher horsepower motors would need to be installed. Consequently, higher operation and maintenance costs would be incurred. Surface supplies would be limited, or non-existent, and if well production did not keep up with demand, supplemental water would need to be purchased, increasing supply costs.

Category	Anticipated Cost			
	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Increased O&M cost	\$120,000	\$160,000	\$200,000	\$200,000
Increased cost of supply	0	0	\$300,000	\$300,000

To recover lost revenue, and to encourage conservation, rate increases will be implemented in Stages 2 – 6. In addition, effects of lost revenue will be partially mitigated by the utilization of funds restricted for rate stabilization.

Names of measures	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Rate adjustment (per ccf)	None	\$0.25	\$0.60	\$1.70
Development of reserves	Rate Stabilization Fund (\$800,000)	Rate Stabilization Fund (\$800,000)	Rate Stabilization Fund (\$800,000)	Rate Stabilization Fund (\$800,000)

Names of Measures	Summary of Effects			
	Stage 1	Stage 2	Stages 3 - 4	Stages 5 - 6
Rate adjustment (per ccf)	\$ -	\$691,300	\$1,436,900	\$2,928,100
Development of Reserves	\$800,000	\$800,000	\$800,000	\$800,000
Revenue Gain	\$800,000	\$1,491,300	\$2,236,900	\$3,728,100

Difference between Revenue Loss & Gain	\$54,370	\$0	\$0	\$0
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The District uses the highest efficiency motors and pumps for each application. Increased operation and maintenance expenses due to lower water levels would be minimized by continuing to upgrade to the highest efficiency equipment available.

### 8.9 Monitoring and Reporting

*CWC 10632. (a)(9) For an urban retail water supplier, monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance and to meet state reporting requirements.*

Monitoring and reporting key water use metrics is fundamental to water supply planning and management and is essential in verifying that response actions are achieving the intended use reductions. Customer compliance will be monitored by District staff and used for implementing enforcement actions as needed. Billing systems and production tracking systems will be used to determine the effectiveness of response actions and will be used to determine whether refinement is necessary.

Mechanism for determining actual reductions	Type and quality of data expected
Monitoring daily production records	Telemetry data will track overall system water use
Increased frequency of meter reads	Discover overuse of water – basis for penalties/fines

### 8.10 WSCP Refinement Procedures

*CWC 10632. (a)(10) Reevaluation and improvement procedures for systematically monitoring and evaluating the functionality of the water shortage contingency plan in order to ensure shortage risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented as needed.*

The WSCP is intended to be an adaptive management plan with refinements being implemented as needed. As mentioned in section 8.9, LHMWD will actively monitor shortage response actions to verify intended results. Suggestions and reports from Staff as well as customers will be considered.

It is anticipated that the WSCP will be re-evaluated along with the 2025 UWMP and will be referenced during completion of the Annual Assessment provided to the DWR.

Should refinements be required in the interim, the District will update the WSCP per the requirements discussed below in section 8.12.

### **8.11 Special Water Feature Distinction**

*CWC 10632. (b) For purposes of developing the water shortage contingency plan pursuant to subdivision (a), an urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.*

Water features are analyzed and considered separately from swimming pools by LHMWD and are defined as decorative fountains, ponds, lakes, or other aesthetic water structures.

### **8.12 Plan Adoption, Submittal and Availability**

*CWC 10632. (c) The urban water supplier shall make available the water shortage contingency plan prepared pursuant to this article to its customers and any city or county within which it provides water supplies no later than 30 days after adoption of the water shortage contingency plan.*

The WSCP is adopted along with and as a part of the 2020 UWMP following the same process outlined in Chapter 10 of the UWMP. The public hearing and adoption is scheduled for 3:00 pm on December 16, 2021 at LHMWD offices at 26385 Fairview Avenue, Hemet, Ca. The WSCP will be available for public review along with the UWMP. Two notices will be publicized in the Press Enterprise on or near October 13, 2021 and October 20, 2021 which are separated by at least 5 intervening days, not including the publication dates, and at least 14 days before the public hearing. A copy of the legal ad is in Appendix F of the UWMP.

Within 30 days of adoption, LHMWD will submit copies of the UWMP to DWR, the California State Library, the City of Hemet, City of San Jacinto, and the County of Riverside. A similar 60-day requirement is described in California Water Code Section 10635.b. Compliance with the 30-day requirement will satisfy both sections.

**APPENDIX J**

**ORDINANCE NO. 176**

**EMERGENCY WATER SHORTAGE**

**ORDINANCE NO. 176**

**AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE  
LAKE HEMET MUNICIPAL WATER DISTRICT  
DECLARING A WATER SHORTAGE EMERGENCY CONDITION  
AND ADOPTING TEMPORARY CONDITIONS  
ON NEW OR ADDITIONAL CONNECTIONS AS REGULATIONS AND RESTRICTIONS  
UNDER A WATER CONSERVATION PROGRAM**

**WHEREAS**, Water Code Section 350 provides that the District may declare a water shortage emergency condition to prevail within the service area of the District whenever the District finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the District to the extent that there would be insufficient water for human consumption, sanitation, and fire protection. Said findings and determinations may be made upon adoption of an ordinance in accordance with the authority and procedures set forth in Water Code Section 350 et seq.; and

**WHEREAS**, Water Code Section 353 provides that when the District has so determined and declared the existence of an emergency condition of water shortage within its service area, it shall thereupon adopt such regulations and restrictions on the delivery and consumption of water within its service area as will, in the sound discretion of the District, conserve the water supply for the greatest public benefit with particular regard to domestic use, sanitation, and fire protection; and

**WHEREAS**, Water Code Section 356 provides that the regulations and restrictions may include the right to deny applications for new or additional service connections; and

**WHEREAS**, Water Code Section 375 et seq. provides the District with the authority to adopt a water conservation program to reduce the quantity of water used by persons within the District's service area for the purpose of conserving the water supplies of the District; and

**WHEREAS**, in accordance with Water Code Sections 350 et seq. and 375 et seq., the Board desires to adopt this Ordinance in order to make certain findings and determinations as to the existence of an emergency condition of water shortage and to then adopt temporary conditions on new or additional connections as regulations and restrictions under a water conservation program; and

**WHEREAS**, in accordance with Water Code Sections 351, 352, and 376, a Notice of a public hearing was published and a public hearing was held on August 20, 2015 at 3:00 p.m. The purpose of the hearing was to provide District customers with the opportunity to be heard, to protest or support the proposed declaration of a water shortage emergency condition and temporary conditions on new or additional connections as regulations and restrictions under a water conservation program.

**THE BOARD OF DIRECTORS OF THE LAKE HEMET MUNICIPAL WATER DISTRICT DOES HEREBY ORDAIN AS FOLLOWS:**

1. Incorporation of Recitals The Recitals set forth above are incorporated herein and made an operative part of this Ordinance.

2. Authority for Adoption of Ordinance This Ordinance is adopted pursuant to Water Code Sections 350 et seq. and 375 et seq.

3. Declaration of Water Shortage Emergency Condition Pursuant to Water Code Section 350, the purpose of this Ordinance is to declare a water shortage emergency condition to prevail within the service area of the District. The District hereby finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the District to the extent that there would be insufficient water for human consumption, sanitation, and fire protection. Said declaration is made based on the following findings and determinations:

(a) On April 1, 2015, Governor Edmund G. Brown Jr. issued Executive Order B-29-15 (the "Executive Order") pursuant to Government Code Section 8567 and 8571 in which he ordered that the State Water Resources Control Board shall impose restrictions to achieve a statewide 25% reduction in potable urban water usage through February 28, 2016.

(b) On May 5, 2015, the State Water Resources Control Board issued Resolution No. 2015-0032 (the "Resolution") adopting the specific actions called for in the Governor's Executive Order.

(c) Pursuant to Resolution No. 2015-0032, the District is mandated to reduce its overall potable urban water use by 28%.

(d) The Board of Directors believes that compliance with the State Board's Resolution and the Executive Order cannot be achieved if the District permits new or additional water connections for continued development within the District's service area during the time that the current, and any subsequent, State Board restrictions remain in effect.

4. Adoption of Regulations and Restrictions Under A Water Conservation Program As a result of the declaration of a water shortage emergency condition under Section 3 of this Ordinance, the District hereby adopts the following regulations and restrictions under the water conservation program:

(a) Temporary Conditions on any new or additional service connections  
Pursuant to the authority set forth in Water Code Section 356, any applications for new or



additional service connections, which are received at the District offices on or after the effective date of this Ordinance, shall be denied subject to Section 4(b) below.

(b) Exemptions The following shall be exempt from this Ordinance:

- (i) Single family home projects consisting of four (4) or less homes;
- (ii) Final tract maps approved by the County of Riverside, or any other applicable land use agency, prior to the adoption of this Ordinance;
- (iii) Projects in which the developer or owner can sufficiently establish that the net water usage for the project will be less than net water usage prior to the development of the project;
- (iv) The project can import its own water or use reclaimed water;
- (v) Commercial or industrial projects;
- (vi) The project, as determined by the board, is necessary to protect the public's health, safety and welfare;
- (vii) The repair, maintenance, or renovation of existing structures or facilities, which have a water service connection on the effective date of the passage of this Ordinance. Such repair or replacement of water service connections that are lawfully existing as of the effective date of this Ordinance shall be performed in compliance with all applicable laws, rules and regulations;
- (viii) An increase in water meter service size only in instances in which the increase is solely to accommodate installation of fire sprinklers in a structure which already has a water service connection; or
- (ix) Upon application to the board and the board makes a finding that the project will meet the requirements of the Resolution and Executive order.

#### 5. Duration and Effective Date of Ordinance

(a) Pursuant to Water Code Section 376, this Ordinance shall be effective upon adoption. Within 10 days after the date of adoption, this Ordinance shall be published one time in full in a newspaper of general circulation.

(b) In accordance with Water Code Section 355 and other applicable provisions of California law, the regulations and restrictions set forth in this Ordinance shall remain in full force and effect until the District takes the applicable action to determine that this Ordinance should be rescinded, in whole or in part, based on a finding that the period of the emergency has expired and that the supply of water available for distribution within the District's service area has been replenished or augmented or when the Resolution expires, whichever shall occur first. In the event the Resolution is extended, then this Ordinance shall be extended for the same period of time unless the District takes the applicable action to determine that this

Ordinance should be rescinded, in whole or in part, based on a finding that the period of the emergency has expired and that the supply of water available for distribution within the District's service area has been replenished or augmented. The District's determination as to the length of time that the temporary condition will remain in effect shall be made based on the factors set forth herein as well as the Board of Directors' determinations as to the scope, effective period and impact of any and all regulations which are currently in effect or may be adopted by the State Water Resources Control Board ("SWRCB"). For example, and not by way of limitation, as of the effective date of this Ordinance, Drought Emergency Water Conservation Regulations have been adopted by the SWRCB and are currently in effect under Title 23 of the California Code of Regulations, Sections 863, 864, 865 and 866.

6. This Ordinance was introduced at a meeting of the Board held on August 20, 2015, following a public hearing, the notice of which was published in the Press Enterprise on August 6, 2015.

**ADOPTED** by the Board of Directors of the Lake Hemet Municipal Water District at a Regular Meeting of the Board of Directors held on August 20, 2015.

  
\_\_\_\_\_  
President, Board of Directors

ATTEST:

  
\_\_\_\_\_  
Secretary, Board of Directors

(SEAL)



I, KAREN HORNBARGER, Assistant Secretary of the Board of Directors of the Lake Hemet Municipal Water District, do hereby certify that the foregoing Ordinance No. 176 was duly adopted by said Board of Directors at a general meeting thereof held on the 20<sup>th</sup> day of AUGUST, 2015, and that it was so adopted by the following vote:

AYES: FOLTZ, HOFFMAN, GORMAN, SCHOUTEN  
NOES: NONE  
ABSTAINED: NONE  
ABSENT: MINOR

IN WITNESS WHEREOF, I have hereunto set my hand and the official seal of Lake Hemet Municipal Water District this 24<sup>th</sup> day of AUG, 2015.

  
\_\_\_\_\_  
Assistant Secretary, Board of Directors

(SEAL)



**APPENDIX K**

**ORDINANCE NO. 752**

**MANDATORY EMERGENCY WATER  
CONSERVATION**

**RESOLUTION NO. 752**

**OF THE BOARD OF DIRECTORS OF LAKE HEMET MUNICIPAL WATER DISTRICT TO IMPLEMENT  
MANDATORY EMERGENCY WATER CONSERVATION**

WHEREAS, Lake Hemet Municipal Water District ("District") is a water district empowered to provide water service to customers within the District service area, and

WHEREAS, due to inadequate snowfall and rainfall, opposition to the development and construction of water supply facilities and legal restrictions on the flow of water from the State Water Project to Southern California, Southern California, and the District in particular, is experiencing shortages in water supplies, and

WHEREAS, as a result of the above, the District recognizes that it is evident the drought is continuing and statewide supply is 20 percent less than normal demand, and

WHEREAS, the drought conditions will likely continue for the foreseeable future and, as a result, the District implemented a voluntary water conservation program to reduce water use and put into action on March 20, 2014 by Resolution No. 737, and

WHEREAS, conservation of water by all District customers that have not already conserved will help relieve the problems caused by the shortage in water supplies, and

WHEREAS, Water Code section 1058.5 grants the State Water Resources Control Board ("SWRCB") the authority to adopt emergency regulations in certain drought years in order to: "Prevent the waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion, of water, to promote water recycling or water conservation", and

WHEREAS, on July 15, 2014 the SWRCB adopted emergency water conservation regulations prohibiting all individuals from engaging in certain water use practices and would require mandatory conservation-related actions of public water suppliers during the current drought emergency, and

WHEREAS, on August 20, 2014 the District passed Resolution No. 747 in order to implement mandatory emergency water conservation measures, and

WHEREAS, due to the ongoing drought on March 27, 2015 the Office of Administrative Law approved the Urban Conservation emergency order issued by the SWRCB which amended Title 23 of the California Code of Regulations sections 863, 864, and 865, and

WHEREAS, the District is required to comply with State law, including regulations adopted by the SWRCB, codified at Title 23 of the California Code of Regulations and is authorized pursuant thereto to implement its requirements, and

WHEREAS, in order to be compliant with the State's 25% reduction goal and to comply with the new SWRCB order, the District Board of Directors must update its current mandatory emergency water conservation policy, Resolution No. 747, and

WHEREAS, the Governor's Executive Order B-29-15 is seeking to reduce water consumption by 25% and will likely lead to additional restrictions, and

WHEREAS, following the making of findings as required by law, the District has the power and authority to adopt mandatory water conservation measures within its boundaries pursuant to Chapters 3 through 3.7 of Division 1 and Chapter 2 of Division 20 of the California Water Code, and

WHEREAS, in order to meet the requirements of the Water Code section 10632, the District will implement and include the following required customer actions for Stage III mandatory restrictions (without the imposition of the conservation usage rates which were approved by the District on March 19, 2015 under Resolution No. 751), and

WHEREAS, if there are any conflicts or inconsistencies between this resolution and the Drought Management Plan, the terms herein shall prevail, and

WHEREAS, this resolution is intended to replace and supersede Resolution No. 747 in its entirety, and

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of Lake Hemet Municipal Water District as follows:

**Section 1: Findings:** The Board of Directors of the District hereby finds and declares as follows:

- 1) Should existing drought conditions continue, or should the District lose its water production capacity, there may be insufficient water available for human consumption, sanitation and fire protection.
- 2) The provisions of this Resolution are exempt from the provisions of the California Environmental Quality Act as an action to mitigate emergency conditions and as a rate setting measure pursuant to Public Resources Code §21080(b)(4) and (8).

**Section 2: Declaration of Stage III Extreme Water Supply Shortage Emergency:** The Board of Directors of the District, in accordance with the above findings, hereby determines and declares the existence of an emergency condition within its service area, and further determines and declares that the regulations and restrictions on delivery of water and consumption of water within its service area as hereinafter set forth are necessary, in the sound discretion of the Board of Directors of the District, to conserve the water supply for the greatest public benefit.

**Section 3: Authorization to Implement Restrictions on Water Consumption:** The Board of Directors of the District hereby authorizes the General Manager of the District to take specific steps to meet water conservation goals, regulations and restrictions on water consumption as hereinafter set forth.

**Section 4: Conservation Goal and Authorized Actions.** The conservation goal of the District and the State Water Board is a reduction in water use of twenty five (25%), which goal is subject to

adjustment from time to time based upon demands, supplies, and conservation. The General Manager is authorized to implement Section 5 of this resolution to meet said conservation goal.

**Section 5: Mandatory Water Conservation Regulation:** The General Manager shall take all steps necessary to advise the District's customers of the following mandatory regulations and to enforce them in accordance the District's existing policy:

1. No person shall cause any water to flow away from property owned, occupied, or controlled by such person, in any gutter, ditch, or in any other manner over the surface of the ground so as to constitute water waste runoff.
2. No water shall be used to wash down sidewalks, driveways or parking areas, except to alleviate immediate fire or sanitation hazard.
3. No person shall cause or allow any water to be wasted due to sub-standard, leaky or faulty outdoor water fixtures or water-using distribution devices.
4. Water from fire hydrants, except for construction and dust control purposes, shall not be used for any purpose other than to fight fires or for other activities where such use is immediately necessary to maintain the health, safety and welfare of the residents of the District.
5. Landscape irrigation will only be allowed on odd or even days according to the last digit of the property location address. "Even" is Monday, Wednesday, Friday and "Odd" is Tuesday, Thursday, Saturday with no watering on Sunday. Landscape irrigation will only be allowed during the hours of 5 p.m. to 9 a.m. (restricted between 9 a.m. and 5 p.m.)
6. The washing of autos, boats, trailers or building only from a hand bucket, or hose equipped with a positive shut off device, and then only for quick rinses.
7. No water shall be used to clean, fill or maintain levels in decorative fountains, ponds, lakes or other similar aesthetic structures unless such water is part of a recycling system or with the use of reclaimed wastewater.
8. Water will not be used for the flushing of sewer lines and the flushing of water mains will not be allowed, except for immediate health and safety reasons or by special written permission by the General Manager.

*Exemptions:*

- 8a. The District will allow an exemption from the watering schedule if an ET based controller is installed and operating. *The ET Controller Exemption Form* must be completed and the installation verified by a licensed landscape architect or LHMWD staff.

- 8b. Watering schedules must be adhered to at all times. The District requires advance written notice of any maintenance activities requiring water use between the hours of 9:00 a.m. and 5:00 p.m.
9. No person shall irrigate turf or ornamental landscapes during and 48 hours following measurable precipitation.
10. The District shall provide notice to restaurants and other food service establishments that they can only serve water to customers upon request.
11. The District shall provide notice to operators of hotels and motels that they must provide their guests with the option of choosing not to have towels and linens laundered daily and prominently display notice of this option.
12. The District shall prohibit irrigation with potable water of ornamental turf on public street medians.
13. The District shall prohibit irrigation with potable water outside of newly constructed homes and buildings that is not delivered by drip or microspray systems.

**Section 6: Notification of Leaks:** The District shall immediately notify a customer when the District is aware of leaks that are within the customer's control.

**Section 7: Duration of Water Emergency:** The regulations, restrictions, and actions set forth herein shall take full force and effect on April 17, 2015 upon authorization by the Board of Directors and shall remain in full force and effect until December 23, 2015, or until otherwise directed by the SWRCB.

**Section 8: Appeal:** Decisions made by the District under the regulations set forth in this Resolution may be appealed by the customer. The customer can file a written appeal within 5 days to the General Manager of the District.

**Section 9: Violation:** This resolution shall apply to potable water customers' indoor and outdoor use. A violation of the resolutions and restrictions set forth herein may result in progressive warnings, fines, or result in discontinuance of service to consumers willfully violating the conservation measures set forth herein or such other penalty or restriction as may be allowed by law. The warnings and fines shall be in accordance with Exhibit "A". A fine shall not be issued until it has been approved by an ad hoc committee of the Board of Directors.

**Section 10: Reporting:** The District shall report the number of days to which outdoor irrigation has been limited and shall continue to provide compliance and enforcement efforts to SWRCB on a monthly basis.

**Section 11: Severability:** If any portion of this Resolution is found to be unconstitutional or invalid, the District hereby declares that it would have enacted the remainder of this Resolution regardless of the absence of any such valid part.

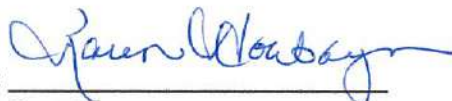


**Section 12: Effective Date:** This Resolution shall take effect April 16, 2015.

**BE IT FURTHER RESOLVED**, that the Board of Directors authorizes the General Manager to make amendments or refinements to the procedures adopted by this resolution to ensure compliance with conservation practices. Such amendments or refinements shall be reported to the Board for ratification.

**PASSED AND ADOPTED** at a general meeting of the Board of Directors of Lake Hemet Municipal Water District held on April 16, 2015.

  
\_\_\_\_\_  
President

Attest:   
ASOT. Secretary

## EXHIBIT "A"

### DROUGHT MANDATED IRRIGATION WATERING SCHEDULE

The taking of any action prohibited in Section 5, in addition to any other applicable civil or criminal penalties, is an infraction, punishable by a fine of up to five hundred dollars (\$500) for each day in which the violation occurs. Violators will be issued a one-time warning with fines progressively increasing with continued violations as follows:

1<sup>st</sup> offense – Warning

2<sup>nd</sup> offense - Warning

3<sup>rd</sup> offense - Warning

4<sup>th</sup> offense - \$50.00 fine

5<sup>th</sup> offense - \$100.00 fine

6<sup>th</sup> offense - \$500.00 fine

# **APPENDIX L**

## **EMWD SUPPLY AND DEMAND ESTIMATE**



June 21, 2021

Jason Venable  
Lake Hemet Municipal Water District  
P.O. Box 5039  
Hemet, CA 92544-0039

[jvenable@lhmwd.org](mailto:jvenable@lhmwd.org)  
VIA ELECTRONIC MAIL

**Subject: 2020 Urban Water Management Plan Wholesale Projections**

To Mr. Jason Venable:

The Eastern Municipal Water District (EMWD) has prepared a Draft 2020 Urban Water Management Plan (UWMP) in compliance with the requirements established by the Urban Water Management Planning Act (Act). Under the Act, wholesale suppliers must coordinate with urban water suppliers regarding projected water demands in five-year increments for inclusion in both suppliers' UWMPs.

Based on coordination between staff regarding projected growth in the Lake Hemet Municipal Water District (LHMWD) service area, EMWD has included the following demands from LHMWD in its draft 2020 UWMP:

*Table 1: Projected Wholesale Demand (Acre-Feet per Year)*

2025	2030	2035	2040	2045
5,100	5,500	5,900	6,300	6,700

While LHMWD generally purchases raw water from EMWD, the draft 2020 UWMP recognizes that future operational conditions or changes in land use may result in LHMWD converting a portion of the total projected raw water purchases to a like amount of treated water purchases.

Sincerely,

Gordon Ng, P.E.  
Principal Water Resources Specialist

Board of Directors

Philip E. Paule, *President* Randy A. Record, *Vice President* Jeff Armstrong Stephen J. Corona David J. Slawson

**APPENDIX M**

**2020**

**CONSUMER CONFIDENCE REPORT**

# 2020 Water Quality Report for Lake Hemet Municipal Water District

ESTE INFORME CONTIENE INFORMACIÓN MUY IMPORTANTE SOBRE SU AGUA PARA BEBER. FAVOR DE COMUNICARSE LAKE HEMET MWD PARA ASISTIRLO EN ESPAÑOL.

We test the drinking water for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1-December 31, 2020 and may include earlier data.

There are ten wells located along the San Jacinto River from Valle Vista to San Jacinto that supply most of your drinking water. In 2020, 1.8% of domestic production was purchased from Eastern Municipal Water District (EMWD). Complete 2008 drinking water source assessments for all ten wells and our 2017 Sanitary Survey are available upon request at our district office located at 26385 Fairview Ave. Hemet, CA 92544 (951-658-3241) or from the State Water Resources Control Board, Drinking Water Field Office, 1350 Front Street, Room 2050, San Diego, CA 92101 (619-525-4159). The 2008 assessments determined our sources are most vulnerable to sewer collection systems, septic systems, agricultural and/or irrigation wells, and high-density housing.

LHMWD invites public participation at our monthly board meeting held at 3:00 PM on the third Thursday of every month at the LHMWD district office, 26385 Fairview Ave. Hemet, 92544. For more information contact Kristen Frankforter, 951-658-3241 ext.245 or email [kfrankforter@lhmwd.org](mailto:kfrankforter@lhmwd.org).

Lake Hemet MWD treats all its ground water sources with chlorine disinfectant, either in liquid or tablet form. This is the only treatment added to the water we provide. There are 2 tie-ins to EMWD water, which also comes from local ground water sources and is treated similarly.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. LHMWD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/lead>.

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In order to ensure that tap water is safe to drink, the USEPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California Law also establish limits for contaminants in bottled water that provide the same protection for public health. Additional information on bottled water is available on the California Department of Public Health website.

<https://www.cdph.ca.gov/Programs/CEH/DFDCS/Pages/FDBPrograms/FoodSafetyProgram/Water.aspx>

The Sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Contaminants that may be present in source water include: **Radioactive contaminants** that can be naturally-occurring or be the result of oil and gas production or mining activities; **Microbial contaminants**, such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; **Inorganic contaminants**, such as salts and metals, that can be naturally-occurring or result from urban storm-water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming; **Pesticides and herbicides** that may come from a variety of sources such as agriculture, urban storm-water runoff and residential uses; **Organic chemical contaminants**, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm-water runoff, agricultural applications, and septic systems.

Unregulated contaminant monitoring helps USEPA and the State Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

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## Terms and Abbreviations used in this report

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

**Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Primary Drinking Water Standard (PDWS):** MCLs, MRDLs and treatment techniques (TTs) for contaminants that affect health, along with their monitoring and reporting requirements.

**Secondary Drinking Water Standards (SDWS):** MCLs for contaminants that affect taste, odor or appearance of drinking water. Contaminants with SDWSs do not affect health at MCL levels.

**Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**ND:** Not detectable at testing limit

**NTU:** Nephelometric Turbidity Unit: a measure of turbidity

**Parts per Billion (ppb):** micrograms per liter ( $\mu\text{g/L}$ ) is approximate to about one second in 32 years.

**Parts per Million (ppm):** milligrams per liter ( $\text{mg/L}$ ) is approximate to about one second in 11.5 days,

**Parts per Trillion (ppt):** nanograms per liter ( $\text{ng/L}$ ) is approximate to about three seconds in 100,000 years.

**Parts per Quadrillion (ppq):** pictograms per liter ( $\text{pg/L}$ ) is approximate to 2.5 minutes in the total age of the earth or 2.5 billion years.

**Picocuries per liter (pCi/L):** a measure of radiation

**Microsiemens per centimeter ( $\mu\text{S/cm}$ ):** a measure of conductivity

# 2020 Water Quality Report for Lake Hemet Municipal Water District

The following tables list all the drinking water contaminants that were detected during the most recent sampling. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, although representative of the water quality, are more than one year old.

*While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.*

Results for water purchased from Eastern Municipal Water District (EMWD) are listed in braces { } in the tables below.

## SAMPLING RESULTS FOR COLIFORM BACTERIA

Microbiological Contaminants	Sample Date	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical source of Bacteria
Total Coliform Bacteria (state Total Coliform Rule)	2020	(in a month) Zero	Zero	5% of monthly samples are total coliform positive	0	Naturally present in the environment
Fecal Coliform or <i>E.coli</i> (state Total Coliform rule)		(in the year) Zero	Zero	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E.coli</i> positive		Human and animal fecal waste
<i>E. coli</i> (federal Revised Total Coliform Rule)		(in the year) Zero	Zero	routine and repeat samples are total coliform –positive and either is <i>E.coli</i> -positive <i>or</i> system fails to take repeat samples following <i>E.coli</i> -positive routine sample <i>or</i> system fails to analyze total coliform-positive sample for <i>E.coli</i>	0	Human and animal fecal waste

## SAMPLING RESULTS FOR LEAD AND COPPER

Lead and Copper	Sample Date	No. samples collected	90 <sup>th</sup> percentile level detected	N. sites exceeding AL	No. of schools requesting lead sampling	AL	PHG	Typical source of contaminant
Lead (ppb)	2019	31	ND	Zero	Zero*	15	0.2	Internal corrosion of household water plumbing systems; erosion of natural deposits
Copper (ppm)	2019	31	0.2	Zero	N/A	1.3	0.3	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives

\*LHMWD and Hemet Unified School District tested drinking water fountains and food-prep sinks in all K-12 public schools in 2018 and there were no detectable levels of lead found.

## SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent	Sample Date	Level Detected {EMWD}	Range of Detections {EMWD}	MCL	PHG	Typical Source of Contaminant
Sodium (ppm)	2019-20	43 {38}	21-92 {26-91}	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2019-20	152 {160}	49-210 {97-290}	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring



## DETECTION OF UNREGULATED CONTAMINANTS

Contaminant	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
Hexavalent Chromium (ppb)	2019-20	ND	ND -2.1	* (PHG = 0.02)	---
Total Organic Carbon [TOC] (ppm)	2018	0.38 {0.3}	ND – 1.2 {ND-0.8}	---	---
Vanadium (ppb)	2019-20	15.6	3.4 – 74	50	Exposures resulted in developmental and reproductive effects in rats

\*There is currently no MCL for Hexavalent Chromium. The previous MCL of 10 ppb was withdrawn on Sept. 11, 2017.

## DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Contaminant (reporting units)	Sample Date	Level Detected {EMWD}	Range of Detections {EMWD}	MCL [MRDL]	PHG [MRDLG]	Typical Source of Contaminant
Arsenic (ppb)	2019-20	ND {ND}	ND - 7.6 {ND-3.0}	10	0.004	Erosion of natural deposits; orchard run-off
Barium (ppm)	2019-20	ND {ND}	ND - 0.17 {ND-0.14}	1	2	Erosion of natural deposits
Fluoride (ppm)	2019-20	0.3 {0.2}	ND - 0.4 {0.1-0.4}	2	1	Erosion of natural deposits; discharge from fertilizer factories
Gross alpha particle activity (pCi/L)	2012-20 {2016-19}	4.0 {ND}	ND - 8.4 {ND-7.1}	15	0	Erosion of natural deposits
Nitrate (as Nitrogen) (ppm)	2020	2.2 {1.0}	0.5-6.4 {ND-3.4}	10	10	Runoff/leaching from fertilizer use, septic tanks and sewage; erosion of natural deposits
Selenium (ppb)	2019-20	ND {ND}	ND-7.6 {ND-12}	50	30	Discharge from petroleum, glass & metal refineries; erosion of natural deposits; runoff from livestock lots (feed additive)
Uranium (pCi/L)	2016-17	3.1 {2.4}	ND - 4.6 {1.1-5.8}	20	0.43	Erosion of natural deposits
Chlorine (ppm)	2020	1.3	0.3-2.25	[4.0 as Cl <sub>2</sub> ]	[4.0 as Cl <sub>2</sub> ]	Drinking water disinfectant added for treatment
Haloacetic Acids (ppb)	2020	2.0	1.0-2.0	60		Byproduct of drinking water disinfection
Trihalomethanes (ppb)	2020	2.6	1.5-2.6	80		Byproduct of drinking water disinfection
1,2,3-Trichloropropane [TCP] (ppb)*	2020	ND {ND}	ND-0.0056 {none}	0.005	0.0007	Leaching from hazardous waste sites; ingredient in nematicide used in this area in the 1950's

## DETECTION OF CONTAMINANTS WITH SECONDARY DRINKING WATER STANDARDS

Contaminant	Date	Level detected {EMWD}	Range of Detections {EMWD}	MCL	Typical Source of Contaminant
Chloride (ppm)	2019-20	30 {31}	15-50 {9.3-97}	500	Runoff/leaching from natural deposits
Odor-Threshold – distribution (TON)	2020	1 {ND}	1-2 {ND-1}	3	Natural-occurring organic deposits
Specific Conductance (µS/cm)	2019-20	497 {470}	340-860 {310-970}	1600	Substances that form ions when in water
Sulfate (ppm)	2019-20	62 {55}	21-220 {8.8-220}	500	Runoff/leaching from natural deposits
Total Dissolved Solids [TDS] (ppm)	2019-20	307 {310}	200-560 {200-660}	1000	Runoff/leaching from natural deposits
Turbidity – distribution NTU)	2020	ND	ND-0.7	5	Soil runoff
Turbidity-source water (NTU)	2019-20	ND {0.1}	ND-0.2 {0.1-0.3}	5	Soil runoff

\*A note regarding 1,2,3-Trichloropropane (123-TCP): We have one well containing levels of 123-TCP above the MCL of 0.005 ppb. In 2020, this well had an average concentration of 0.0121 ppb with a range between 0.0058 ppb and 0.016 ppb. In order to use water from this well, we have implemented a blending program to reduce the concentration of 123-TCP down to a safe level. We test this blend 3 times per week to make sure this goal is met. Our blending program had an average 123-TCP concentration of 0.00305 ppb with a range between ND (<0.0012 ppb) and 0.0056 ppb. We had one blend sample that was above the MCL in 2020, however the average remained well below the maximum allowed. Sources of 123-TCP include discharges from industrial and agricultural chemical factories; leaching from hazardous waste sites; cleaning and maintenance solvents, paint and varnish removers, and cleaning and degreasing agents; and byproducts during the production of other compounds and pesticides. Some people who drink water containing 123-TCP in excess of the MCL over many years may have an increased risk of getting cancer.

# **APPENDIX N**

## **2020 ENERGY USE REPORTING**

**Urban Water Supplier:**

LHMWD

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

*Multiple Products (unable to use table O-1C)*

**Table O-1B: Recommended Energy Reporting - Total Utility Approach**

Enter Start Date for Reporting Period	1/1/2020	<b>Urban Water Supplier Operational Control</b>		
End Date	12/31/2020			
<input type="checkbox"/> Is upstream embedded in the values reported?		<b>Sum of All Water Management Processes</b>	<b>Non-Consequential Hydropower</b>	
<i>Water Volume Units Used</i>	MG	Total Utility	Hydropower	Net Utility
<i>Volume of Water Entering Process (volume unit)</i>		13260		13260
<i>Energy Consumed (kWh)</i>		10745454		10745454
<i>Energy Intensity (kWh/vol. converted to MG)</i>		810.4	0.0	810.4
<b>Quantity of Self-Generated Renewable Energy</b>				
0 kWh				
<b>Data Quality</b> ( <i>Estimate, Metered Data, Combination of Estimates and Metered Data</i> )				
<i>Combination of Estimates and Metered Data</i>				
<b>Data Quality Narrative:</b>				
Total energy was calculated using available billing and accounts payable records.				
<b>Narrative:</b>				
Total energy includes includes consumption from production wells, boosters, tanks and other distribution facilities.				

**APPENDIX O**

**STIPULATED JUDGEMENT**

1 GERALD D. SHOAF, SBN 41084  
2 REDWINE AND SHERRILL  
3 1950 MARKET ST.  
4 RIVERSIDE, CA 92501  
5 (951) 684-2520  
6 Fax (951) 684-9583  
7 Gshoaf@redwineandsherrill.com

8 Attorneys for Plaintiff  
9 EASTERN MUNICIPAL WATER DISTRICT

10 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
11 IN AND FOR THE COUNTY OF RIVERSIDE

12 EASTERN MUNICIPAL WATER DISTRICT, )  
13 A California Municipal Water District, )

14 Plaintiff, )

15 vs. )

16 CITY OF HEMET; )  
17 CITY OF SAN JACINTO; )  
18 LAKE HEMET MUNICIPAL WATER )  
19 DISTRICT; )  
20 DOES 1 through 1,000, inclusive, )

21 Defendants. )

CASE NO.:

STIPULATED JUDGMENT

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**FINDINGS**

After consideration of the pleadings and the Stipulation for Entry of Judgment, the Court finds that:

1. **Complaint.** On May 16, 2012, Plaintiff Eastern Municipal Water District ("Eastern") filed a Complaint against Defendants Lake Hemet Municipal Water District ("Lake Hemet"), City of Hemet ("Hemet"), City of San Jacinto ("San Jacinto"), and DOES 1 through 1,000, inclusive. The Complaint requests a declaration of Plaintiff's and Defendants' individual and collective rights to Surface Water and Groundwater in the Canyon Subbasin, the San Jacinto Upper Pressure Subbasin downstream to Bridge Street, and the Hemet Basin ("Management Area") and the imposition of a Physical Solution to achieve the optimum, reasonable, beneficial use of the waters of the Management Area pursuant to section 2 of article X of the California Constitution. A map describing the boundaries of the Management Area is attached to this Judgment as Exhibit "A" and to the Complaint.

2. **Parties.**

A. **Eastern.** Eastern is a California municipal water district formed pursuant to the Municipal Water District Law, California Water Code Sections 71000-73001 (West 1966), with its principal place of business in Riverside County, California. Eastern diverts Surface Water from the San Jacinto River, and pumps Groundwater from the Management Area for use by its customers within its boundaries.

B. **Lake Hemet.** Lake Hemet is a California municipal water district formed pursuant to the Municipal Water District Law, California Water Code Sections 71000-73001 (West 1966), with its principal place of business in Riverside County, California. Lake Hemet diverts Surface Water from the Santa Jacinto River and its tributaries, and pumps Groundwater from the Management Area for use by its customers within its boundaries.

C. **Hemet.** Hemet is a California municipal corporation providing utility services pursuant to the California Constitution, article XI, section 9. Hemet pumps Groundwater from the Management Area for use by its customers within its boundaries.

1           **D.     San Jacinto.** San Jacinto is a California municipal corporation providing  
2 utility services pursuant to the California Constitution, article XI, section 9. San Jacinto pumps  
3 Groundwater from the Management Area for use by its customers within its boundaries.

4           **E.     Pumpers.** Does 1 through 1,000, inclusive, are Persons or entities who  
5 own farms or other property within the Management Area, and pump Groundwater from the  
6 Management Area. (Attachment "B", Private Pumpers)

7           **3.     Answers and Stipulation for Judgment.** All defendants have filed Answers,  
8 and all Parties have filed a Stipulation for Entry of Judgment.

9           **4.     Sole Producers.** Other than the Soboba Band of Luiseño Indians, and certain  
10 overlying users not Parties to this litigation, the Parties claim essentially all of the rights to  
11 produce Surface Water and Groundwater in the Management Area.

12           **5.     Importance of Surface Water and Groundwater.** Surface water and  
13 Groundwater from the Management Area are important water supplies for agriculture, domestic  
14 and municipal use. The Parties have a mutual and collective interest in the coordinated  
15 management of such water resources to ensure that the common resource is used efficiently and  
16 reasonably, and that it is sustained and replenished.

17           **6.     Overdraft.** It is estimated that the Overdraft of the Management Area is  
18 approximately 10,000 acre-feet per year. This estimate will be refined through further studies to  
19 be completed pursuant to the Water Management Plan, including data on the several subbasins  
20 within the Management Area. Studies confirm that in recent years the total Groundwater  
21 production from the Management Area, including pumping by those Persons not Parties to this  
22 litigation, has averaged approximately 54,800 acre-feet per year.

23           **7.     Importance of Judgment.** The Parties have an interest in the Physical Solution  
24 imposed by this Judgment to promote the efficient and coordinated management of Surface  
25 Water and Groundwater, to avoid problems from Overdraft, to assist in protecting the rights of  
26 the Soboba Band of Luiseño Indians, to sustain and enhance water resources, and to resolve  
27 competing claims to Surface Water and Groundwater.

28           **8.     Jurisdiction.** This Court has jurisdiction to enter this Judgment declaring and

1 adjudicating the rights of the Parties to the reasonable and beneficial use of Surface Water and  
2 Groundwater in the Management Area, and to impose a Physical Solution pursuant to law,  
3 including California Constitution, article X, section 2.  
4

5 **JUDGMENT**  
6

7 **IT IS ORDERED, ADJUDGED AND DECREED:**

8 **1. DEFINITIONS.**

9 **1.1 Adjusted Production Right** – the Base Production Right of each Public  
10 Agency, as adjusted pursuant to Sections 3.2 to 3.2.5.

11 **1.2 Administrative Assessment** – an acre-foot charge to be levied against  
12 each Public Agency for water pumped up to its Adjusted Production Right, including any unused  
13 amount of such Right that is pumped in a following year (Carry-Over Credit). Such assessments  
14 shall be used for Administrative Expenses, and for the purchase of Supplemental Water after  
15 Administrative Expenses have been paid. No Administrative Assessment shall be levied on a  
16 Party's pumping of its share of Imported, Supplemental, or Stored Water.

17 **1.3 Administrative Expenses** – Include, but are not limited to,  
18 Watermaster's expenses for office rental, personnel, supplies, office equipment, general  
19 overhead, preparing and collecting assessments, monitoring well pumping, measuring water  
20 levels, sampling and analyzing water quality, compiling and interpreting collected data,  
21 conducting special studies, litigation, and such other expenses as are reasonable and necessary  
22 for the Watermaster to carry out its duties under the Physical Solution and Water Management  
23 Plan.

24 **1.4 Advisor**. An independent engineering firm or qualified individual as  
25 provided in Section 9.6.3.

26 **1.5 Annual Basin Yield** – the quantity of Groundwater that Watermaster  
27 determines the Parties may Produce from the Management Area in a calendar year without a  
28 replenishment obligation under the Physical Solution.

1                   **1.6    Base Production Right** – a water right of a Public Agency or Class B  
2 Participant.

3                   **1.7    Carry-Over Credit** – a Public Agency’s or a Class B Participant’s credit  
4 against the Replenishment Assessment in a Fiscal Year, based on the Agency’s Adjusted or Base  
5 Production Right or share of Imported Water not produced in prior calendar years.

6                   **1.8    Class A Participant** – a Private Pumper who stipulates to this Judgment  
7 and participates in the Water Management Plan as defined in Sections 4.3 to 4.3.5.

8                   **1.9    Class B Participant** – a Private Pumper who stipulates to this Judgment  
9 and participates in the Water Management Plan as defined in Sections 4.4 to 4.4.6.

10                  **1.10   Fiscal Year** – the period from July 1 through June 30 of the following  
11 calendar year.

12                  **1.11   Fruitvale Documents** –

13                    **(a)    Fruitvale Judgment** – The Judgment and Decree entered in the  
14 Superior Court for the County of Riverside on June 4, 1954, in an action titled The City of San  
15 Jacinto, et al. v. Fruitvale Mutual Water Company, et al., Case No. 51-546;

16                    **(b)    Fruitvale Mutual Water Company Sale of Assets to Eastern** –  
17 That certain “Agreement for the Sale of Assets of the Fruitvale Mutual Water Company to  
18 Eastern Municipal Water District” dated September 10, 1971 (“Purchase Agreement”);

19                    **(c)    Fruitvale Mutual Water Company Agency Agreements** – The  
20 Agreement Between the City of San Jacinto and Eastern Municipal Water District dated  
21 November 2, 1971, the Agreement Between Lake Hemet Municipal Water District and Eastern  
22 Municipal Water District dated June 9, 1972, and the Agreement Between the City of Hemet and  
23 Eastern Municipal Water District dated June 13, 1972, all providing for recognition of ownership  
24 of stock in Fruitvale Mutual Water Company by the Cities and by Lake Hemet, and making  
25 provision for the continued sale of water produced through the Fruitvale facilities by Eastern to  
26 the Cities and to Lake Hemet.

27                  **1.12   Groundwater** – all water within and beneath the ground surface of the  
28 Management Area.

1                   **1.13 Groundwater Degradation** (also “groundwater quality degradation” and  
2 “water quality degradation,” “Degradation” and “Degraded Groundwater”) – Water  
3 contamination as defined in state and/or federal law, and other conditions of reduced water  
4 quality as determined by the Watermaster to be harmful or undesirable for the operation of the  
5 Management Area.

6                   **1.14 Imported Water** – An average of 7,500 acre feet annually of water sold  
7 by The Metropolitan Water District of Southern California to Eastern pursuant to Section 4.4 of  
8 the Soboba Band of Luiseño Indians “Settlement Agreement.”

9                   **1.15 In-Lieu Water** – Groundwater that is not pumped, but which would have  
10 otherwise been pumped by the holder of an Overlying or Appropriative Right within the  
11 Management Area, by virtue of the pumper’s agreement with an Agency or the Watermaster to  
12 receive and use Recycled Water or other nonpotable water in lieu of Groundwater.

13                   **1.16 Management Area** –the Canyon, the San Jacinto Upper Pressure, and the  
14 Hemet North and Hemet South Basins, as delineated on the map attached as Exhibit “A.”

15                   **1.17 Metropolitan** – The Metropolitan Water District of Southern California.

16                   **1.18 Natural Recharge** – Groundwater replenishment within the Management  
17 Area occurring from precipitation on the surface, percolation from surface flows of the San  
18 Jacinto River and its tributaries, spreading or injection of such surface flows, return flows from  
19 irrigation, and subsurface inflows.

20                   **1.19 New Pumper** – a Private Pumper who pumps for the first time after entry  
21 of Judgment herein.

22                   **1.20 Non-Participant** – a Private Pumper who elects not to participate in the  
23 Management Plan, or to be a Party to this Judgment.

24                   **1.21 Overdraft** – a condition whereby pumping in the Management Area  
25 exceeds the Safe Yield thereof.

26                   **1.22 Overlying Right** – the appurtenant right of an owner of land overlying the  
27 Management Area to pump water from such land for beneficial use thereon.

1                   **1.23 Party or Parties** – Eastern, Lake Hemet, Hemet, San Jacinto and the other  
2 Persons listed in the attached Exhibit “B.”

3                   **1.24 Person** – any individual, partnership, association, corporation, trust,  
4 government agency or other organization.

5                   **1.25 Physical Solution** – the Court decreed method of managing the water  
6 supply of the Management Area to maximize the reasonable and beneficial use of the waters  
7 thereof pursuant to the California Constitution, article X, section 2, to eliminate Overdraft  
8 pursuant to the provisions of this Judgment, to protect the prior rights of the Soboba Tribe, and to  
9 provide for the substantial enjoyment of all water rights recognizing their priorities.

10                   **1.26 Private Pumper** – a Person who owns land with an Overlying Right or  
11 other right in the Management Area and pumps more than 25 acre-feet per year. Private Pumper  
12 includes New Pumpers.

13                   **1.27 Public Agency or Agencies** – Eastern, Lake Hemet, Hemet and San  
14 Jacinto.

15                   **1.28 Recharge or Replenish** – to sink, spread or inject water directly or  
16 indirectly underground in the Management Area.

17                   **1.29 Recharge Right** – the rights of Eastern and Lake Hemet to pump and use  
18 water previously replenished to the Management Area as provided in Section 6.7.4.

19                   **1.30 Recycled Water** – treated wastewater which is processed and suitable for  
20 controlled use in the Management Area, including Recharge.

21                   **1.31 Replenishment Assessment** – a charge to be levied against each Public  
22 Agency for each acre foot, or portion thereof, of Groundwater pumped in excess of the sum of its  
23 respective Adjusted Production Right, its share of Imported Water, Stored Water, Supplemental  
24 Water, and applicable Carry-Over Credits and Recharge Rights; and against each Class B  
25 Participant for pumping in excess of its 1995-99 average production, i.e., its Base Production  
26 Right. The rate of such assessments shall be determined by the Watermaster and shall be used  
27 for Replenishment Expenses.  
28

1                   **1.32    Replenishment Expenses** – Watermaster expenses, including, but not  
2 limited to, the acquisition of Supplemental Water supplies, development of In-Lieu Water  
3 projects, acquisition or improvement of land, and for the construction, maintenance and  
4 operation of facilities necessary to replenish Groundwater in the Management Area, or otherwise  
5 to provide water to Parties within the Management Area.

6                   **1.33    Safe Yield** – the long term, average quantity of water supply in the  
7 Management Area that can be pumped without causing undesirable results, including the gradual  
8 reduction of natural Groundwater in storage over long-term hydrologic cycles. The initial Safe  
9 Yield of the Management Area is estimated to be approximately 45,000 acre feet per year.

10                   **1.34    Settlement Agreement** – that Agreement titled “The Soboba Band of  
11 Luiseño Indians Settlement Agreement” among the Soboba Tribe, the United States, as Trustee  
12 for the Tribe, Eastern Municipal Water District, Lake Hemet Municipal Water District, and The  
13 Metropolitan Water District of Southern California.

14                   **1.35    Soboba Tribe (sometimes the “Tribe”)** – the Soboba Band of Luiseño  
15 Indians.

16                   **1.36    Soboba Action** – the lawsuit entitled Soboba Band of Mission Indians,  
17 etc., v. Metropolitan, etc., et al, U.S. District Court, Central District of California, Case No.  
18 00-84208 GAF (MANx).

19                   **1.37    Storage Agreement** – an agreement between Watermaster and a Party to  
20 store Supplemental Water (other than a Party’s share of Imported Water) by sinking, spreading,  
21 injecting or in-lieu procedures in the Management Area, and to establish a manner of accounting  
22 for the credit therefore and subsequently to recover such water, without payment of  
23 Administrative or Replenishment Assessments.

24                   **1.38    Storage Right** – a Party's right to store and pump Supplemental Water  
25 (not required for a Party’s share of Imported Water) pursuant to a Storage Agreement.

26                   **1.39    Stored Water** – Supplemental Water (other than a Party’s share of  
27 Imported Water) stored by a Party pursuant to a Storage Agreement.  
28

1                   **1.40 Supplemental Water** – nontributary water imported into the Management  
2 Area, including imported water (i.e., other than or in addition to Imported Water as defined in  
3 Section 1.14), Recycled Water, In-Lieu Water, and other nonpotable water.

4                   **1.41 Surface Water** – all water tributary to the Management Area and flowing  
5 above the ground surface.

6                   **1.42 Transfer** – a temporary or permanent authorized conveyance, assignment,  
7 sale, contract or lease of part or all of a Public Agency’s Carry-Over Credit, Storage Right or  
8 Recharge Right to any other Party, or a temporary assignment, contract, lease or sale of a Public  
9 Agency’s share of Imported Water.

10                   **1.43 Tribal Water Rights** – the Soboba Tribe’s rights to water set forth in  
11 Section 4.1 of the Settlement Agreement and Section 5 of this Stipulated Judgment.

12                   **1.44 Tunnel** – the San Jacinto Tunnel in Riverside County, California,  
13 constructed by Metropolitan in the 1930s.

14                   **1.45 Watermaster** – the Board with the powers and duties defined in Section  
15 9.

16                   **1.46 Water Management Plan** (sometimes the “Plan”) – the Plan adopted by  
17 the Watermaster, as it may be modified from time to time, to implement the Physical Solution, to  
18 ensure an adequate and reliable source of future water supply for the Management Area, and to  
19 protect the prior rights of the Soboba Tribe.

20                   **2. EXHIBITS.**

21                   The following exhibits are attached to this Judgment and incorporated in it:

22                   “A.” Map of the Management Area and the Management Area Watershed.

23                   “B.” List of Parties to this Judgment.

24                   “C.” Description of each Public Agency’s and Class A and Class B Participant’s  
25 Base Production Right.



1           **3.     PUBLIC AGENCIES' WATER RIGHTS.**

2           **3.1     Base Production Right.** The Public Agencies are owners of rights to  
3 pump Groundwater from the Management Area as set forth in Exhibit "C." These rights are for  
4 a calendar year and were calculated as follows:

5                   **3.1.1   Eastern.** The Base Production Right of Eastern is based upon its  
6 respective average pumping for calendar years 1995-1999, less an adjustment of 1800 acre-feet  
7 representing a portion of a credit which it receives from Metropolitan for seepage into  
8 Metropolitan's San Jacinto Tunnel, for Eastern's use of Fruitvale water elsewhere, and for use of  
9 Fruitvale water by Lake Hemet, San Jacinto, and Hemet. The 1995-1999 period was chosen to  
10 reflect recent production prior to the commencement of negotiations leading to this Stipulated  
11 Judgment.

12                   **3.1.2   Lake Hemet.** The Base Production Right of Lake Hemet is based  
13 on its average production for calendar years 1995-1999.

14                   **3.1.3   Hemet.** The Base Production Right of Hemet is based on its  
15 average production for calendar years 1995-99, plus an adjustment of 900 acre feet per year  
16 representing a portion of the seepage credit referenced in Section 3.1.1.

17                   **3.1.4   San Jacinto.** The Base Production Right of San Jacinto is based  
18 upon its average Production for calendar years 1995-1999, plus 500 acre-feet per year, and plus  
19 an adjustment of 900 acre feet per year representing a portion of the seepage credit referenced in  
20 Section 3.1.1. The 500 acre-feet per year has been added because San Jacinto's recent pumping  
21 does not reflect its historic production, due to water purchases and other factors.

22                   **3.1.5   Adjustments.** The Base Production Rights of Hemet and San  
23 Jacinto each include 900 acre-feet per year that have been added to their respective amounts of  
24 pumping for calendar years 1995-1999. These amounts have been added to provide Hemet and  
25 San Jacinto a fair share of water from, and to resolve disputes regarding, Eastern's use of tunnel  
26 seepage, Eastern's use of Fruitvale waters, and Lake Hemet's surface stream diversions. These  
27 additional amounts of 900 acre-feet per year shall be treated as the first amounts pumped by  
28 Hemet and San Jacinto, shall not be subject to reduction by the Watermaster as provided in

1 Sections 3.2 to 3.2.2, and shall not be subject to any Administrative or Replenishment  
2 Assessments as provided in Sections 3.4 to 3.4.2, or to any other fee or charge imposed under the  
3 Management Plan.

4           **3.2    Adjusted Production Rights.** It is the goal of the Physical Solution to  
5 adjust the Base Production Rights of the Public Agencies over time on a pro-rata basis to a level  
6 consistent with the Watermaster's determination of Safe Yield. The reduction will be based on  
7 periodic demand, hydrology, Recharge, and the community's ability to pay for Supplemental  
8 Water, and protection of the Tribal Water Rights. In order to implement this reduction in a  
9 phased manner, each Public Agency's Base Production Right shall be subject to adjustment as  
10 follows:

11                   3.2.1 Subject to Section 3.1.5, a 10% reduction from each Base  
12 Production Right in the first full year after entry of this Judgment.

13                   3.2.2 Until Adjusted Production Rights are consistent with the Public  
14 Agencies' share of Safe Yield, Watermaster shall determine the required reductions in Adjusted  
15 Production Rights in each subsequent year to achieve Safe Yield within a reasonable period of  
16 time as determined by the Watermaster, considering the extent of the Overdraft, the economic  
17 impact on the Parties bound by this Judgment, and other relevant factors. The goal is to achieve  
18 Safe Yield over a six (6) year period assuming an annual Overdraft of 10,000 acre feet. In the  
19 event the extent of the Overdraft is greater or lesser than assumed, then the period of time  
20 reasonably required to reach Safe Yield may be extended or reduced accordingly. However, in  
21 no event shall any reduction be more than 10% of the Adjusted Production Rights of the prior  
22 year.

23                   3.2.3 A Public Agency Party may pump in excess of its Adjusted  
24 Production Right, without any additional Administrative or Replenishment Assessment, by an  
25 amount equal to its share of the 7,500 acre feet per year of Imported Water that is not used by the  
26 Tribe provided such water has been previously delivered and is stored or will be delivered during  
27 the current water year. The amount of the Tribe's unused portion of the 7,500 acre feet shall be  
28 determined annually by the Watermaster. Shares of unused Imported Water shall be allotted to

1 the Public Agency Parties in proportion to Base Production Rights, and shall be acquired and  
2 paid for pursuant to contract with Eastern.

3 3.2.4 A Base Production Right of a Public Agency serving the land of a  
4 Class B Participant shall be increased in an amount equal to such Participant's Base Production  
5 Right, adjusted and reduced pursuant to Sections 3.2.1 and 3.2.2, when the Participant's land is  
6 converted from agricultural use to water service from the Public Agency, pursuant to Section  
7 4.4.3.

8 3.2.5 The Adjusted Production Rights of the Public Agencies may be  
9 increased by the Watermaster on a prorata basis to the extent that pumping by Class A  
10 participants, or pumping by Persons not Parties to this Judgment, may decrease, and the  
11 Watermaster finds that achieving the goal of maintaining the Management Area in a Safe Yield  
12 condition can still be met.

13 3.3 **Allocation of Unused Imported Water.** A Public Agency's share of  
14 Imported Water that is not used by the Soboba Tribe, as described in Section 3.2.3 shall be  
15 subject to the following additional rules:

16 3.3.1 To the extent that a Public Agency does not use all of its share of  
17 the Imported Water, the unused portion may be stored for its account for future use or transfer by  
18 the Public Agency.

19 3.3.2 A Public Agency may lease, sell or otherwise transfer any portion  
20 of the Public Agency's stored Imported Water or of the then current year's share of the Imported  
21 Water to another Public Agency or to the Watermaster.

22 3.4 **Public Agency Production Assessments.** Public Agency pumping shall  
23 be subject to the following assessments:

24 3.4.1 An Administrative Assessment as provided in Section 1.2. The  
25 Administrative Assessment will be \$50.00 per acre-foot of a Party's Adjusted Production Right  
26 pumped after entry of this Judgment. The Watermaster shall set the Administrative Assessment  
27 rate annually thereafter. The first 900 acre feet per year of Adjusted Production Right pumped  
28

1 by Hemet and San Jacinto and water pumped by a Public Agency pursuant to Section 3.4 above  
2 shall not be subject to such assessment.

3                   3.4.2 A Replenishment Assessment will be levied on each Public  
4 Agency as provided in Section 1.31. However, a Public Agency may pump Groundwater in  
5 excess of the sum of its Adjusted Production Right, its share of Imported Water, Supplemental  
6 Water applicable Carry-Over Credits per Section 6.9.2, Recharge Rights, and production of  
7 Stored Water, in order to meet increasing demands, provided that such excess extractions shall  
8 be subject to Replenishment Assessments.

9                   3.5 **Surface Rights.** Eastern holds License Number 016667 from the State  
10 Water Resources Control Board to divert, spread and recover surface flows of the San Jacinto  
11 River within the Management Area. Lake Hemet holds pre-1914 appropriative rights to divert  
12 and store surface flows in Lake Hemet, and to divert surface flows tributary to but outside of the  
13 Management Area from Strawberry Creek and from the North and South Forks of the San  
14 Jacinto River. All Parties acknowledge such Eastern and Lake Hemet rights, and the fact that  
15 they are not subject to any assessments under this Judgment; provided that any water pumped by  
16 Eastern under its License shall be included in its Adjusted Production Right.

17                   3.6 **Fruitvale Judgment, Sale of Assets, and Agreements.** The Court  
18 hereby finds that Eastern purchased all of the water rights and assets of the Fruitvale Mutual  
19 Water Company ("Fruitvale") pursuant to the Agreement described in Section 1.11(b) hereof,  
20 and is now the owner thereof. Eastern, as the successor in interest to Fruitvale, is also a  
21 defendant in the action described in Section 1.11(a) hereof. The Court finds that the only other  
22 remaining Party in such action is the plaintiff City of San Jacinto. The Court retained continuing  
23 jurisdiction in such action, and Eastern has made annual reports pursuant to the Fruitvale  
24 Judgment. Pursuant to stipulation between Eastern and San Jacinto, and in accord with the  
25 Physical Solution and terms of this Judgment, the Court hereby finds that the rights and  
26 obligations of the Fruitvale Judgment have been subsumed in, and superseded by, this Judgment  
27 and are no longer enforceable; that the limitations upon the place and amounts of water use in the  
28 Fruitvale Judgment, the Purchase Agreement (including the provisions regarding domestic water

1 rates within the Fruitvale Improvement District) and the Agency Agreements, all described in  
2 Sections 1.11(a), (b) and (c) are no longer applicable or enforceable; and that the continuing  
3 jurisdiction of the Court under the Fruitvale Judgment and the obligations of Eastern to report  
4 thereunder, are hereby terminated; provided, however, that any service area agreements or  
5 agreements related to mutual aid or system interties between any of the Public Agency Parties  
6 are not affected by this Judgment.

7           **3.7 Fruitvale Agency Rights.** The water rights of Hemet, San Jacinto and  
8 Lake Hemet under the several agreements with Eastern described in Section 1.11(c) hereof have  
9 been incorporated in their respective Base Production Rights under this Judgment.

10           **4. PRIVATE PUMPERS' WATER RIGHTS**

11           **4.1 Recognition of Rights.** The Private Pumpers are owners of Overlying or  
12 other water rights to pump from the Management Area. The Public Agencies recognize these  
13 rights, and do not intend to take or adversely impact these rights without an agreement with the  
14 owner of such rights. There is no intent to affect water use that is consistent with the historical  
15 use of the Private Pumpers.

16           **4.2 Non-Participation.** A Private Pumper can elect not to participate in the  
17 Water Management Plan and not to formally acknowledge its existence. Such Pumpers are  
18 referred to as Non-Participants. Non-Participants shall continue to exercise whatever water  
19 rights they may hold under California law unaffected by the Plan. However, the Parties do not  
20 waive their rights to challenge any new or expanded use of water or water rights. Non-  
21 Participants will not have the option of intervening as a Party under the Judgment at a later date.

22           **4.3 Class A Participation.** A Private Pumper can become a Party to the  
23 Judgment as a Class A Participant under the following terms:

24           **4.3.1** A Class A Participant who or which approves this Physical  
25 Solution may vote for and/or be elected to serve as the Private Pumper representative on the  
26 Watermaster, but other than as set forth in Sections 4.3.4 and 4.3.5, shall not otherwise have any  
27 obligation for the implementation of the Physical Solution or the Water Management Plan.  
28

1                   4.3.2 A Class A Participant may, without any assessment by the  
2 Watermaster, pump from the Participant's property within the Management Area the amount of  
3 water that can be put to reasonable and beneficial use in the Participant's historic place of use or  
4 as authorized under California law.

5                   4.3.3 Unless the Watermaster determines otherwise, a Class A  
6 Participant shall have the right to convert to Class B Participation during a grace period that shall  
7 end 3 years after the entry of this Judgment and upon payment of the total assessments, without  
8 interest, that the Class A Participant would have paid had the Class A Participant elected to be a  
9 Class B Participant from the later of the initial production of Groundwater or the entry of the  
10 Judgment herein. Conversely, the converting Participant will be given Carry-Over Credits to  
11 which the Participant would have been entitled as a Class B Participant during said period  
12 pursuant to Section 6.9.2 below; said Carry-Over Credits may be used to offset any  
13 replenishment assessments, including any that would become due following the conversion.

14                   4.3.4 A Class A Participant hereby authorizes the installation of water  
15 meters, and the collection and reading of Groundwater production, level and water quality data  
16 from the Class A Participant's well(s) by personnel authorized by the Watermaster. The  
17 metering, meter reading, and other related monitoring efforts shall be at no cost to the Class A  
18 Participant, and the Class A Participant shall receive copies of the reports and information  
19 obtained upon request.

20                   4.3.5 A Class A Participant shall describe or otherwise identify the  
21 Participant's land and wells within the Management Area. The heirs, successors and assigns of  
22 such land and wells shall succeed to the benefits of the Participant's rights under the Judgment,  
23 and be bound by the obligations thereof, provided that such successor intervenes as a Party under  
24 the Judgment. Absent such intervention, the successor will be treated as a Non-Participant.

25                   **4.4 Class B Participation.** A Private Pumper can become a Class B  
26 Participant on the following terms:

27                   4.4.1 A Class B Participant's Base Production Right shall be equal to the  
28 Participant's average annual production during the calendar years 1995 through 1999, less any

1 amount of water that had been used on land that was developed for non-agricultural purposes  
2 after 1999, subject to adjustments by the Watermaster pursuant to Section 4.4.1.1. Any In-Lieu  
3 Water used during said period in place of Groundwater production shall be treated as part of the  
4 Groundwater production for calculating Base Production Rights. The Class B Participant shall  
5 pay Replenishment Assessments on amounts in excess of its Base Production Right, subject to  
6 any Carry-Over Credit adjustments pursuant to Section 6.9.2, but shall not be subject to  
7 Administrative Assessments, and until transfer to a Public Agency, such Base Production Right  
8 shall not be subject to reduction to Safe Yield. In the absence of production history for the entire  
9 period (1995-99), the Watermaster, using all available information including power consumption  
10 records and records of water use by similar farming operations in the area, will estimate the  
11 average annual production for the Participant.

12 4.4.1.1 In the event that the land of a Class B Participant or of a  
13 Class A Participant that requests conversion to Class B Participation did not go into full  
14 production during the period 1995-1999, or in the absence of a sufficient production history or  
15 record, the Watermaster will determine the Base Production Rights to be assigned to such  
16 Participant, using all information available to it.

17 4.4.1.2 Upon written request by a Class B Participant, the  
18 Watermaster shall have the authority to adjust the Class B Participant's Base Production Rights  
19 for such period, and on such terms and conditions, as the Watermaster deems appropriate under  
20 the circumstances. For example, but not by way of limitation, the Watermaster could increase  
21 the Participant's Base Production Rights on a temporary basis to permit increased Groundwater  
22 production during dry periods, or for frost protection, with or without a requirement that such  
23 increased production be offset or "repaid" by a decrease in Groundwater production during  
24 subsequent wet periods, or to account for added acreage or for a change in crops or use of the  
25 land or for a change in ownership. Where new trees were planted during the period 1995-1999,  
26 the Watermaster may calculate the Base Production Rights based on known or estimated water  
27 use at maturity of such trees.

1                   4.4.2 The Class B Participant approves this Physical Solution and may  
2 vote for and/or be elected to serve as the Private Pumper's representative on the Watermaster.

3                   4.4.3 Upon conversion of a Class B Participant's land from agricultural  
4 to a use that requires water service from a Public Agency, the Public Agency shall credit, to the  
5 extent legally permissible, the Class B Participant's Base Production Right, adjusted pursuant to  
6 the percentage reductions in Sections 3.2.1 and 3.2.2, against any requirement then in effect for  
7 any water supply assessment requirements, against any fees associated with water supply that the  
8 Public Agency may then have in effect. The Public Agency serving the converted land shall  
9 receive a credit added to its Base Production Right as set forth in Section 3.2.4.

10                   4.4.4 Upon the sale of property to which or for which Base Production  
11 Rights have been assigned by reason of the judgment herein, the Class B Participant may transfer  
12 said rights to the purchaser on condition that the purchaser agrees in writing to be bound by the  
13 terms of the judgment as a Class B Participant.

14                   4.4.5 The Class B Participant hereby authorizes the installation of meters  
15 and the collection and reading of Groundwater production, water level and water quality data  
16 from the Class B Participant's well(s) by personnel authorized by the Watermaster. The  
17 metering, meter reading and other related monitoring efforts shall be at no cost to the Class B  
18 Participant, and the Class B Participant shall receive copies of the reports and information  
19 obtained upon request.

20                   4.4.6 A Class B Participant shall describe or otherwise identify the  
21 Participant's land and wells within the Management Area. The heirs, successors and assigns of  
22 such land and wells shall succeed to the benefits of the Participant's rights under the Judgment,  
23 and be bound by the obligations thereof, provided that such successor intervenes as a Party under  
24 the Judgment. Absent such intervention, the successor will be treated as a Non-Participant. A  
25 Class B Participant may transfer Base Production Rights to new or replacement land on terms  
26 and conditions established by the Watermaster.

27                   **4.5 In-Lieu Water Use.** In the event any Private Pumper receives  
28 Supplemental Water from a Public Agency to serve an historic use in place of Groundwater, or



1 otherwise engages in an in-lieu program after entry of the Judgment herein, the Overlying Right  
2 of the Private Pumper shall not be diminished by the receipt and use of such Supplemental Water  
3 or by engaging in an in-lieu program. In the event a Class B Participant received In-Lieu Water  
4 for use in place of Groundwater during the period 1995-99, for purposes of determining Base  
5 Production Rights, said use shall be considered as Groundwater use.

6 **4.6 Future Production Participation.** Any New Pumper after the entry of  
7 this Judgment may intervene in this action and Judgment only as a Class A Participant and may  
8 not thereafter convert to Class B status.

9 **4.7 Replacement Wells.** Re-drilling of existing wells and the drilling of new  
10 wells to replace existing wells will not be considered new production as provided in Section 4.6.

11 **5. TRIBAL WATER RIGHTS**

12 The Tribal Water Rights have been determined as part of a settlement among the  
13 Soboba Tribe, the United States, Eastern, Lake Hemet and Metropolitan. The settlement is  
14 reflected in a Settlement Agreement, Congressional legislation and appropriation of funds, and a  
15 Judgment in the Soboba Action. Such settlement includes the following provisions, which shall  
16 be effective only upon fulfillment of all of the conditions precedent set forth in Article 3 of the  
17 Settlement Agreement, a copy of which is attached hereto.

18 **5.1 Senior Right.** The Soboba Tribe shall have a prior and paramount right,  
19 superior to all others, to pump 9000 acre-feet per year (3000 acre feet from the Canyon Subbasin  
20 and the remainder from a portion of the San Jacinto Upper Pressure Subbasin referred to as the  
21 Intake Subbasin), for use on the Reservation, as defined in Article 2.20 of the Settlement  
22 Agreement, and on lands now owned or hereafter acquired by the Soboba Tribe contiguous to the  
23 Reservation or within the Canyon and Intake Subbasins; provided, however, that such use shall  
24 be limited to amounts set forth in a development schedule from 2,900 acre feet per year to 4,100  
25 acre-feet per year for the first 50 years after the Effective Date as set forth in Exhibit "I" to the  
26 Settlement Agreement. The Tribe's right to pump applies to all Groundwater, whether  
27 replenished by Natural Recharge or by Supplemental Water. In addition, the Tribe shall have the  
28 right to purchase additional water from the Watermaster during the fifty years that its use is

1 limited according to Exhibit "I" to the Settlement Agreement at the rate then being charged to the  
2 Public Agencies under the Water Management Plan. In the event the Soboba Tribe is unable,  
3 except for mechanical failure of its wells, pumps or water facilities, to produce from its existing  
4 wells or equivalent replacements up to 3,000 AFA production from the Canyon Subbasin and the  
5 remainder of its Tribal Water Rights from the Intake Subbasin, Eastern and Lake Hemet shall  
6 deliver any shortage to the Soboba Tribe as provided in Section 4.1C of the Settlement  
7 Agreement. Pumping for such purpose shall not be subject to Administrative or Replenishment  
8 Assessments, and shall not be counted as part of Adjusted Production Rights.

9           **5.2    Metropolitan Water.** The Soboba settlement provides, among other  
10 matters, that Metropolitan will use its best efforts to deliver sufficient Imported Water to yield  
11 7,500 acre-feet per year, based upon 15 year averages, for Recharge in the Management Area at  
12 its untreated replenishment water rate, or any successor rate of equivalent price as provided in  
13 Section 4.4A of the Settlement Agreement.

14           **5.3    Settlement Payment.** Subject to the Effective Date of the Settlement  
15 Agreement and funding by the United States, Eastern pursuant to the terms set forth in the Water  
16 Management Plan, will pay the Soboba Tribe \$17 million dollars pursuant to Article 4.7A of the  
17 Settlement Agreement in consideration, in part, of the Tribe's agreement to limit its water use  
18 according to Exhibit "I" to the Settlement Agreement for the first 50 years after the Effective  
19 Date. Subject to contracts with Eastern, the Public Agencies shall have the right to pump and  
20 use all Imported Water not used by the Tribe, and the unused portion of the Tribal Water Rights  
21 shall be available for use by the Parties, pursuant to their rights herein.

22           **5.4    Capital Facilities.** Eastern on behalf of the Water Management Plan  
23 participants will receive \$10 million from the United States, to be applied to the costs of  
24 constructing and operating the Phase I capital facilities necessary to import and Recharge  
25 Supplemental Water as described in the Plan.

26           **5.5    Public Agencies' Use of Facilities.** Additional grant funds from the State  
27 of California or the United States may also be available for such capital facilities. The rights of  
28

1 the Public Agencies to the use of such facilities will be affirmed by contract as set forth in  
2 Sections 9.6.4(1) and 9.6.4(3).

3           **5.6 Acknowledgement of Soboba Tribe Settlement.** The Parties to this  
4 Judgment hereby recognize the Tribal Water Rights, as set forth above, and the applicable  
5 provisions of the Soboba Tribe Settlement Agreement, and acknowledge that protection of Tribal  
6 Water Rights is one of the goals of the Water Management Plan.

7           **6. PHYSICAL SOLUTION.**

8           **6.1 Purpose and Objective.** Pursuant to California water law and the  
9 California Constitution, article X, section 2, the Court adopts this Physical Solution to maximize  
10 reasonable beneficial use of Surface Water, Groundwater and Supplemental Water for water  
11 users in or dependent upon the Management Area, to eliminate Overdraft, to protect the prior  
12 rights of the Soboba Tribe, and to provide the Parties with the substantial enjoyment of their  
13 respective rights, including, the priorities thereof.

14           **6.2 Need for Flexibility.** In order to adapt to potential changes in hydrology,  
15 land use, and social and economic conditions, the Physical Solution must provide some degree of  
16 flexibility and adaptability. Accordingly, the Court retains broad jurisdiction to supplement the  
17 discretion granted to the Watermaster herein.

18           **6.3 Rights to Groundwater.** Groundwater in the Management Area may  
19 occur from: Natural Recharge; spreading operations of natural flows; Recharge with  
20 Supplemental Water acquired with assessment funds; return flows, fallowing or in-lieu recharge  
21 programs financed with assessment funds. All such Groundwater shall be available to support  
22 the pumping of the Parties as allowed herein, and shall not be the property of any individual  
23 Party. Subject to the provisions of Section 6.7.2, this Section does not preclude any Party,  
24 pursuant to a Storage Agreement, from storing Supplemental Water at its own cost, retaining  
25 title thereto, and pumping such water without assessment.

26           **6.4 Resolution of Priorities.** By reason of the long and continuous Overdraft  
27 of the Management Area, the contribution of all Parties to the Overdraft, the economies that have  
28 developed on the basis of the Overdraft, the severe economic disruption that could occur under

1 strict priorities and the doctrines of prescription and laches, the complexity of determining  
2 appropriative priorities, and the need to make the maximum beneficial use of the water resources  
3 of the State, the Parties are estopped and barred from asserting specific priorities or preferences  
4 to the pumping of Groundwater in the Management Area, except as provided in this Judgment,  
5 and the Court finds that the provisions of this Judgment provide for the substantial enjoyment of  
6 the respective rights of the Parties.

7           **6.5    Water Management Plan.** The Watermaster will approve and implement  
8 a Water Management Plan to enforce and implement the Physical Solution, and may modify  
9 such Plan as conditions require, subject to the provisions of the Settlement Agreement. The Plan  
10 will also facilitate and accommodate the settlement of the water rights of the Soboba Tribe, and  
11 shall be subject to the approval of the Soboba Tribe and the United States as trustee for the Tribe.  
12 The Parties agree that the Plan shall incorporate and serve to implement the following goals:

13                   **6.5.1** Groundwater levels within the Management Area have generally  
14 been declining for a number of years, and the Management Area is presently in a condition of  
15 Overdraft. The Watermaster shall calculate the Safe Yield of the Management Area on an  
16 annual basis, at least until the Overdraft is substantially eliminated. The Plan will, within a  
17 reasonable period, eliminate Groundwater Overdraft and provide for excess production by  
18 implementing a combination of available water resources management elements. These  
19 elements include: reduction in natural Groundwater production; enhanced Recharge with native  
20 and/or Supplemental Water; increased use of Recycled Water; in-lieu replenishment; acquisition  
21 and development of Supplemental Water; and water conservation programs.

22                   **6.5.2** The Management Area is expected to experience residential,  
23 commercial, and industrial growth and development over the next decade. The estimated  
24 amount of Supplemental Water that will be necessary to provide for and adequately serve this  
25 new growth and development is 15,000 acre feet per year. The Water Management Plan shall  
26 accommodate the orderly expansion of existing water production and service systems, and  
27 provide a clear planning process for meeting these projected growth trends.  
28

1                   6.5.3 The Plan should be implemented in a manner to protect and/or  
2 enhance Management Area water quality.

3                   6.5.3.1 The Watermaster is authorized to undertake direct  
4 operations in connection with reducing, controlling or dealing with Groundwater Degradation,  
5 including development or purchase of water supplies of any nature (local private rights, Imported  
6 Water, Recycled Water, salvaged water, and/or low quality water).

7                   6.5.3.2 The Watermaster is also authorized to provide incentives to  
8 the Public Agencies or other Groundwater producers to encourage production of Degraded  
9 Groundwater as the Watermaster deems appropriate. For example, the Watermaster could  
10 provide that all or some portion of such production would not be charged against the producer's  
11 Base Production Rights and/or could adjust or not impose the Administrative and/or  
12 Replenishment Assessment otherwise due. The Watermaster may determine the appropriate  
13 incentives on a case-by-case basis or may establish a formula or schedule that would reflect or be  
14 based on benefits to the Management Area resulting from such production.

15                   6.5.3.3 If implementation of certain elements of the Plan causes  
16 limited localized water quality Degradation and such Degradation impedes the then current  
17 beneficial uses of water by any Public Agency in the Management Area, the Watermaster shall  
18 implement appropriate mitigation measures to ensure the water supply to the affected Public  
19 Agency, and shall bear the associated cost.

20                   6.5.3.4 The standards for local water quality Degradation shall be  
21 defined by the Watermaster, and such definitions may be amended from time to time.

22                   6.5.4 The Water Management Plan should serve to support the pursuit of  
23 cost-effective water supply and water treatment by the Public Agencies, both individually and  
24 collectively.

25                   6.5.5 The Water Management Plan should serve to protect Tribal Water  
26 Rights.

27                   6.5.6 The Watermaster shall implement a monitoring program to ensure  
28 that Plan activities follow best management and engineering principles to protect Management

1 Area water resources, and to compile and analyze data on Groundwater production, water levels  
2 water quality and Groundwater in storage.

3 **6.6 Replenishment Program.** The Groundwater replenishment program shall  
4 be administered by the Watermaster. The program shall include: the acquisition of Supplemental  
5 Water; the collection and expenditure of Replenishment Assessments; the Recharge of the  
6 Management Area; and the construction and operation of all necessary facilities, including but  
7 not limited to, development of surface and subsurface percolation and injection facilities. In  
8 addition, a source of Recharge Water for agencies contributing to the Settlement Payment  
9 described in Section 5.3 will be Imported Water provided by Metropolitan under the Settlement  
10 Agreement, and not used by the Soboba Tribe.

11 6.6.1 Priority for replenishment will be based on an equitable  
12 apportionment of available replenishment water among the subbasins after full consideration of:

13 6.6.1.1 The Public Agency's participation in the payment in the  
14 Settlement Payment described in Section 5.3.

15 6.6.1.2 Hydrologic conditions in the Management Area.

16 6.6.1.3 The Management Area's Water demands.

17 6.6.1.4 The availability of storage capacity to accommodate the  
18 Natural Recharge of surface flows.

19 6.6.1.5 The availability of appropriate conveyance facilities.

20 6.6.1.6 The availability of Supplemental Water,

21 6.6.1.7 Protection of Tribal Water Rights.

22 6.6.2 The Watermaster is encouraged to take advantage of surplus  
23 Imported Water from Metropolitan that occasionally may be available at low cost, and to use  
24 available assessment funds to bank such Recharge Water against future production in excess of  
25 Adjusted Production Rights.

26 6.6.3 The Public Agencies shall independently or jointly operate their  
27 present facilities to maximize the existing spreading and Recharge operations of natural flow in  
28

1 the Management Area. Such Recharge Water shall be available to support the pumping of all  
2 users, and shall not be the property of the spreading Public Agency.

3 6.6.4 All water used to replenish any subbasin in the Management Area  
4 shall meet the Regional Water Quality Control Board, Santa Ana Region requirements, and the  
5 provisions of Article 4.2 of the Settlement Agreement, and may be used in any subbasin where  
6 such requirements are met.

7 6.7 **Storage Rights.** Unused storage capacity may exist in the Management  
8 Area, and this capacity will be managed by the Watermaster conjunctively with natural and  
9 available Supplemental Water supplies.

10 6.7.1 Subject to availability of assessment funds and unused storage  
11 capacity as determined by Watermaster, the Management Area may be Recharged when water is  
12 available, to be drawn upon by the Public Agencies in later years when such Supplemental Water  
13 may not be available.

14 6.7.2 Unused storage capacity, as determined by Watermaster, and  
15 pursuant to a Storage Agreement, may be used for "put and take" operations with Supplemental  
16 Water that is paid for by any Public Agency provided that:

17 6.7.2.1 Such operations do not interfere with the rights of any  
18 other pumper, or with the use of the storage capacity for Recharge and storage under the Water  
19 Management Plan.

20 6.7.2.2 The Watermaster shall have the first right to purchase any  
21 water available for Recharge for use under the Plan.

22 6.7.2.3 Later recovery of Stored Water shall exclude losses, and shall not be subject to  
23 either Administrative or Replenishment Assessments.

24 6.7.2.4 Such recovered water may be used anywhere within the  
25 service area of the Party.

26 6.7.2.5 Such Stored Water may be transferred while still in  
27 storage.

1                   6.7.3 Any conjunctive use programs within the Management Area for  
2 the benefit of territory outside of the Management Area shall be subject to the Watermaster's  
3 approval and the governance provisions herein. Any storage, conjunctive use programs by third  
4 Parties, or in-lieu recharge programs financed with assessment funds, shall be subject to the  
5 Watermaster's approval and the governance provisions herein; provided that Metropolitan has  
6 the right under the Soboba Settlement Agreement to use up to 40,000 acre-feet of storage  
7 capacity in the San Jacinto Upper Pressure Subbasin for the pre-delivery of water required under  
8 Section 5.2.

9                   6.7.4 Eastern and Lake Hemet have previously provided water for  
10 replenishment of the Management Area. As of May 1, 2005 these amounts, less losses, were  
11 12,694 acre-feet for Eastern and 950 acre-feet for Lake Hemet. Such Parties shall have Recharge  
12 Rights to recover these amounts, less any future losses, without either Administrative or  
13 Replenishment Assessments, and may use such Rights to offset excess pumping in lieu of  
14 Replenishment Assessments. The water available under such Recharge Rights shall be pumped  
15 within 15 years of the entry of this Judgment, but not more than 2000 acre-feet in a single year.  
16 The Public Agencies shall notify the Watermaster when such Recharged Water is being pumped,  
17 and in what amounts, and the Watermaster shall keep an accounting of the amounts remaining.  
18 The use of such credits shall be interpreted and administered so as not to increase the  
19 replenishment obligations or assessments of those Parties without such past credits, or after such  
20 credits have been fully used.

21                   6.7.5 The accounting for recovery of Stored Water or Recharge Water  
22 from the Management Area shall not include any water that escapes therefrom and migrates  
23 downstream beyond the Management Area. Losses will be calculated based upon best  
24 engineering principles.

25                   **6.8 Recycled Water.** The use of Recycled Water produced by Eastern can be  
26 of substantial benefit in providing additional water in the Management Area. The Watermaster  
27 shall have a right of first refusal to purchase all Recycled Water produced from treatment  
28



1 facilities serving the Management Area that is not subject to then existing contracts. Such  
2 Recycled Water may be used for Recharge or direct use within the Management Area.

3 6.8.1 Each Public Agency may implement its own Recycled Water  
4 program, for direct use, subject to the availability of Recycled Water. The Public Agency shall  
5 be responsible for financing, operating and maintaining the facilities necessary for that program.  
6 The Watermaster will support loan or grant applications, and the Public Agencies will work to  
7 integrate Recycled Water into the Water Management Plan, to the extent economically feasible  
8 while meeting regulatory standards.

9 6.8.2 Currently only Eastern has Recycled Water available for Recharge.  
10 To the extent such Recycled Water is not acquired by the Watermaster for use under the Plan,  
11 any such water recharged in the Management Area shall remain the property of Eastern and may  
12 be pumped (less losses) without Replenishment Assessments.

13 **6.9 Assessment Program.** The Assessment Program contemplated by the  
14 Water Management Plan and consisting of Administrative Assessments and Replenishment  
15 Assessments as described in Sections 1.2, 1.30, and 3.4, respectively, shall be administered by  
16 Eastern pursuant to a contract with the Watermaster pursuant to the provisions of Section  
17 9.6.4(5).

18 6.9.1 All Assessments shall be used for Replenishment Expenses and  
19 Administrative Expenses.

20 6.9.2 Subject to the limitations in this Judgment, each Public Agency  
21 that produces less than its Adjusted Production Right and share of Imported Water, and any  
22 Class B Participant producing less than its Base Production Right, shall have the following  
23 Carry-Over Credit:

24 6.9.2.1 Carry-Over Credit shall be the difference in acre-feet  
25 between a Public Agency's Adjusted Production Right and share of Imported Water and  
26 Supplemental Water, and the Public Agency's actual production in a calendar year, or the Class  
27 B Participant's Base Production Right and the Class B Participant's actual production in a  
28 calendar year.

1 6.9.2.2 The Carry-Over Credit may be applied to reduce the  
2 amount of acre feet upon which a Public Agency or Class B Participant must pay a  
3 Replenishment Assessment either for the previous year or in any subsequent year. Carry-Over  
4 Credits are transferable by a Public Agency to the Watermaster or, subject to a right of first  
5 refusal by the Watermaster, to another Public Agency. Carry-Over Credits may be retained for  
6 more than one calendar year. The Public Agencies shall notify the Watermaster if a Carry-Over  
7 Credit is being retained. The Public Agencies shall notify the Watermaster if a Carry-Over  
8 Credit is being transferred and shall provide information requested by the Watermaster regarding  
9 the transfer.

10 6.9.2.3 The Watermaster shall keep an accounting of all  
11 Carry-Over Credits.

12 6.9.3 All Watermaster assessment invoices shall be payable to  
13 Watermaster within 60 days of notice. Any delinquent assessments shall bear interest at a rate to  
14 be set by the Watermaster. Watermaster is entitled to recover its reasonable expenses in  
15 collecting any assessment, including attorney's fees and costs.

16 6.9.4 The Watermaster is authorized to adjust assessments, where  
17 deemed appropriate, to provide incentives for production of Degraded Groundwater as described  
18 in Section 6.5.3.

19 **6.10 Export.** The Public Agencies may export water outside the Management  
20 Area, on a temporary basis, upon approval by the Watermaster. However, any water exported  
21 shall be replenished with an appropriate amount of similar or better quality water as determined  
22 by Watermaster. Water exports by the Public Agencies shall not interfere with the Water  
23 Management Plan or any other Public Agency's operations. The Water Management Plan will  
24 set forth the specific criteria for the export of water, including, but not limited to, conjunctive use  
25 programs.

26 **6.11 Capital Facilities.** Each Public Agency shall continue to own its existing  
27 capital facilities for water supply and management, subject to the provisions of Section 9.6.6.  
28 However, the Phase I capital facilities necessary to implement the Water Management Plan shall

1 be owned and operated by Eastern, pursuant to the Plan and in a fiduciary capacity for the benefit  
2 of all Parties under this Judgment, pursuant to Sections 5.4; 9.6.4(1); 9.6.4(3).

3                   6.11.1 Financing of Water Management Plan facilities may be funded by  
4 assessments, regional capital fees, loans and grants, contributions for Storage Rights by  
5 Metropolitan or other third-parties, and municipal bonds. Responsibility for the costs of future  
6 capital facilities necessary to implement the Plan, beyond the Phase I facilities, shall be  
7 determined by the Watermaster and apportioned based on relative benefit to be derived by each  
8 Public Agency.

9                   6.11.2 Any of the participating Public Agencies may propose projects to  
10 be included in the Water Management Plan to increase the Management Area water supply.  
11 Such proposals, after evaluation by the Watermaster, shall be included or rejected. If the  
12 Watermaster chooses to reject the proposal, the proposing Public Agency may implement the  
13 rejected project at its own cost so long as it does not significantly impact the implementation of  
14 the Management Plan and/or interfere with the ongoing production by the Public Agencies.

15                   **7.     INJUNCTION.**

16                   Each Party and his, her or its officers, agents, employees, successors and assigns,  
17 is enjoined and restrained from:

18                   7.1     Producing water from the Management Area without payment of required  
19 Administrative Assessments.

20                   7.2     Producing water from the Management Area in excess of the Party's  
21 Adjusted Production Right and share of Imported Water, or the Base Production Right in the  
22 case of a Class B Participant, without payment of required Replenishment Assessments.

23                   7.3     Transferring Production Rights except as authorized in this Judgment.

24                   7.4     Recharging water in the Management Area except as authorized in this  
25 Judgment.

26                   7.5     Storing or exporting water except as authorized in this Judgment.  
27  
28

1           **8.       CONTINUING JURISDICTION.**

2           **8.1       Full Jurisdiction.** Full jurisdiction, power and authority is reserved to the  
3 Court as to all matters contained in this Judgment, including expedited intervention by  
4 successors in interest to Private Pumpers, except:

5                       8.1.1 To redetermine Base Production Rights of the Public Agencies or  
6 Class B Participants.

7                       8.1.2 As otherwise limited by law.

8           **8.2       Motion to Interpret.** By motion to the Court, upon 30 days written  
9 notice and after hearing, any Party or Watermaster may request the Court to make such further or  
10 supplemental orders to interpret, enforce, carry-out or amend this Judgment. Any such motion  
11 shall be reviewed de novo by the Court. Any such motion shall be served on all Parties and  
12 Watermaster at the addresses on the Watermaster's notice list.

13           **9.       WATERMASTER.**

14           **9.1       Composition.** The Watermaster shall consist of a board composed of one  
15 elected official and one alternate selected by each of the Public Agencies and one Private  
16 Pumper representative and one alternate selected by the Class A and Class B Private Pumpers.

17           **9.2       Terms.** Each member of the Watermaster shall serve until replaced by the  
18 Public Agency or Private Pumpers that made the original appointment, provided, however, that  
19 the election or removal of a Private Pumper representative shall be decided by a majority vote of  
20 the Class A and Class B Participants attending a meeting called for that purpose by written notice  
21 sent to each Class A and Class B Participant or their successors, by U. S. mail or electronic mail  
22 at least ten (10) days before such meeting. Said notice shall include the date, time and location  
23 of the meeting.

24           **9.3       Removal and Replacement.** Any Watermaster member may be removed  
25 and replaced by the same procedure used in his or her appointment.

26           **9.4       Voting.** Each member of the Watermaster shall have one vote. Four  
27 affirmative votes shall be required in order to constitute Watermaster action on each of the  
28 following matters. (1) any change sought in the form of governance; (2) any change in voting

1 requirements; (3) retaining the services of legal counsel and Advisor; (4) establishing, levying,  
2 increasing or decreasing all assessment amounts; (5) adopting or amending an annual budget; (6)  
3 determining the extent of Overdraft and quantifying Safe Yield; (7) determining Adjusted  
4 Production Rights; (8) decisions regarding the financing of Supplemental Water or facilities,  
5 other than any financing provisions included in this Stipulated Judgment as provided in Sections  
6 5.3, 5.4, 5.5 hereof; (9) decisions regarding ownership of facilities, other than ownership of the  
7 Phase I facilities described in the Water Management Plan, which shall be owned by Eastern  
8 Municipal Water District, subject to a right of use by those Parties participating in the financing  
9 thereof; (10) policies for the management of the Management Area; (11) and any decision that  
10 involves a substantial commitment by the Watermaster, including any contracts for conserved  
11 water. All other actions by the Watermaster shall require three affirmative votes.

12 **9.5 Court Review.** Any action by the Watermaster, or any failure to act by  
13 virtue of insufficient votes, may be reviewed by the Court on motion by any Party, with notice to  
14 all other Parties. The Court's review shall be de novo, and the Court's decision shall constitute  
15 action by the Watermaster.

16 **9.6 Powers and Duties.** In order to implement the provisions of this  
17 Judgment, the Watermaster shall have the following duties and powers:

18 **9.6.1 Water Management Plan.** Watermaster shall develop and  
19 implement a Water Management Plan, with such additions and modifications as may from time  
20 to time be appropriate, and shall administer the provisions of this Judgment. The Water  
21 Management Plan shall be subject to approval by the Court, by the Soboba Tribe, and by the  
22 United States.

23 **9.6.2 Independent Counsel.** The Watermaster shall retain independent  
24 legal counsel to provide such legal services as the Watermaster may direct.

25 **9.6.3 Advisor.** The Watermaster shall retain either an independent  
26 engineering firm or qualified individual experienced in hydrology to evaluate and analyze the  
27 data collected by Eastern, and any conclusions based thereon, and to make recommendations to  
28 the Watermaster, referred to herein as "Advisor." The Advisor shall also provide general

1 coordination among Eastern, the Technical Advisory Committee and the Watermaster with  
2 respect to their respective functions, and perform such executive functions as the Watermaster  
3 may direct. The Watermaster reserves the right to refer any matter it may choose to any Person  
4 it may select for assistance in carrying out its duties under this Judgment.

5 **9.6.4 Operations and Other Functions.**

6 **9.6.4.1 Operations – Phase I Facilities.** The Phase I Facilities  
7 (including capital facilities and spreading basins, as more particularly defined in the Water  
8 Management Plan) are either existing facilities of Eastern that will be expanded or improved as  
9 part of the Water Management Plan, or are new facilities that will be integrated into Eastern's  
10 existing facilities and will be owned by Eastern. Pursuant to the terms and conditions of  
11 contracts to be entered into between Eastern and the Watermaster, and Eastern and the other  
12 Public Agencies, Eastern shall construct, install, and operate the Phase I Facilities consistent with  
13 the Water Management Plan.

14 **9.6.4.2 Operations – Other Facilities.** The Water Management  
15 Plan anticipates the need for the construction and installation of other facilities in order to  
16 accomplish the goals of the Judgment. Such facilities may be constructed, installed and operated  
17 under contract with the Watermaster, by a member of the Watermaster or, in circumstances  
18 approved by the Watermaster, by other responsible entities.

19 **9.6.4.3 Purchase of Water for Groundwater Recharge.** The  
20 Soboba settlement requires Metropolitan to use its best efforts to deliver an average of 7500  
21 acre-feet per year of Imported Water for Recharge of the Management Area. This supply is  
22 dedicated first to satisfy the rights of the Soboba Tribe as provided in the Settlement Agreement.  
23 Such portion of the supply that is not used by the Soboba Tribe will be available to those Parties  
24 who have participated in the cost thereof. Subject to the approval of the Watermaster, Eastern  
25 shall enter into a contract with Metropolitan for the purchase and delivery of such Imported  
26 Water supply. Eastern shall also purchase as a member agency of Metropolitan, or otherwise  
27 acquire, such additional supplies of water as may be directed by the Watermaster to implement  
28 the Water Management Plan, subject to availability and transmission capacity. All such water

1 delivered by Metropolitan, or otherwise acquired by Eastern, and all Eastern facilities used to  
2 deliver, recharge and recapture such water, shall be subject to rights of use by the Parties entitled  
3 thereto. Such rights of use shall be confirmed in detail in written contracts with Eastern.

4 Recycled water is also available for direct and indirect Groundwater Recharge from Eastern's  
5 wastewater treatment facilities serving the Management Area. The Watermaster shall have a  
6 right of first refusal to purchase all Recycled Water produced from such plants that is not subject  
7 to then existing contracts. The Watermaster is authorized to use its funds, or funds provided by  
8 the Parties, to purchase Imported Water, Supplemental Water, or other water.

9 **9.6.4.4 Data Collection.** The Watermaster shall provide for the  
10 collection and maintenance of all production, water level, water quality, and other technical data  
11 necessary under or required by the Water Management Plan ("Data"). Pursuant to the terms and  
12 conditions of a contract to be entered into between Eastern and the Watermaster, Eastern shall  
13 collect and maintain all such Data and transmit such Data to the Watermaster, its Advisor, and  
14 the Technical Advisory Committee as directed by the Watermaster. The foregoing clause does  
15 not restrict the ability of the Watermaster to enter into other agreements with other members of  
16 the Watermaster and/or private firms and individuals for the collection of Data.

17 **9.6.4.5 Accounting.**

18 **9.6.4.5.1 Financial Accounting.** The Watermaster shall  
19 provide for the levy, billing, and collection of all assessments provided for under the Judgment,  
20 for the payment of costs and expenses of the Watermaster, and for the performance of such  
21 accounting and related functions as may be required in connection with those functions  
22 ("Accounting Functions"). All funds collected shall be held in a segregated account. All  
23 expenses and disbursements shall be separately accounted for. Pursuant to the terms and  
24 conditions of a contract to be entered into between Eastern and the Watermaster, Eastern shall  
25 initially perform the Accounting Functions for Watermaster. The foregoing clause does not  
26 restrict the ability of the Watermaster to enter into other agreements with other members of the  
27 Watermaster and/or private firms and individuals to provide some or all of the Accounting  
28 Functions.





1                                   **9.6.7 Rules and Regulations.** The Watermaster may make such rules  
2 and regulations as may be necessary for its own operations as well as for the operation of the  
3 Plan and this Judgment, subject to Court approval. Meetings of the Watermaster shall be subject  
4 to the Brown Act .

5                                   **9.6.8 Reports to Court.** The Watermaster shall file annually with the  
6 Court, and serve on all Parties, a report regarding its activities during the preceding year,  
7 including an audited statement of all accounts and financial activities.

8                                   **9.6.9 Notice to Parties.** Watermaster shall maintain a current list of the  
9 Parties and their addresses for notice purposes. Rules for service shall be governed by the  
10 California Code of Civil Procedure and the California Rules of Court. Each Party shall notify  
11 Watermaster in writing of the name and address for its receipt of notice and service under this  
12 Judgment. A Party may change this information by written notice to Watermaster. Notice shall  
13 be deemed sufficient if directed to the most recent address provided by the Watermaster.

14                                   **9.7 Watermaster Records.** Watermaster's records shall be kept at the office  
15 of Eastern unless changed by the Watermaster and approved by the Court. These records shall  
16 be treated as public records under the Public Records Act. California Government Code sections  
17 6250-6277 (West 1995 and Supp. 2002).

18                                   **10. MISCELLANEOUS.**

19                                   **10.1 Intervention After Judgment.** A New Pumper can intervene in this  
20 action as a Class A Participant only, pursuant to Section 4.6. Any other Person who is an heir,  
21 successor or assign of an existing Party, may become a Party to this action and Judgment, subject  
22 to the conditions contained herein, by filing a petition in intervention. The petition may be filed  
23 and approved ex parte with notice to the Watermaster. Such intervener shall thereafter be a Party  
24 bound by this Judgment, and entitled to the rights and privileges accorded under this Judgment to  
25 the Party such Person succeeds in this action.

26                                   **10.2 Loss of Rights.** No right adjudicated in this Judgment shall be lost by  
27 non-use, abandonment, forfeiture or otherwise, except upon a written election by the owner of  
28 the right filed with Watermaster, or by order of the Court upon noticed motion and after hearing.

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**10.3. Attorney's Fees and Costs.** No Party shall recover any attorney's fees or costs in this proceeding from any Party.

DATED: \_\_\_\_\_, 2012

\_\_\_\_\_  
JUDGE OF THE SUPERIOR COURT

**EXHIBIT A**

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**EXHIBIT B**

**List of Parties to this Judgment**

1. **Public Agencies**

- A. Eastern Municipal Water District ("Eastern")
- B. Lake Hemet Municipal Water District ("Lake Hemet")
- C. City of Hemet ("Hemet")
- D. City of San Jacinto ("San Jacinto")

2. **Class A Participants**

- A.
- B.
- C.
- D.

3. **Class B Participants**

- A.
- B.
- C.

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**EXHIBIT C**

**Base Production Rights**

**1. Public Agencies**

Agency Name	Base Production Rights (Acre-feet per year)
Eastern Municipal Water District	10,869
Lake Hemet Municipal Water District	11,063
City of Hemet	6,320
City of San Jacinto	4,031

**2. Class B Participants**

<u>Name</u>	<u>Rights</u>	<u>APN</u>
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# **APPENDIX P**

## **DWR 2020 UMWP CHECKLIST**

Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (Optional Column for Agency Review Use)
x	x	Chapter 1	10615	A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities.	Introduction and Overview	Section 1.1
x	x	Chapter 1	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. Additionally, a supplier may also choose to include a simple description at the beginning of each chapter.	Summary	Chapter 1
x	x	Section 2.2	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
x	x	Section 2.6	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
x	x	Section 2.6.2	10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan Preparation	Section 2.5
x		Section 2.6, Section 6.1	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
	x	Section 2.6	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	NA
x	x	Section 3.1	10631(a)	Describe the water supplier service area.	System Description	Section 3.2
x	x	Section 3.3	10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3
x	x	Section 3.4	10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Section 3.4, Table 3-1
x	x	Section 3.4.2	10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Section 3.4, Section 4.4
x	x	Sections 3.4 and 5.4	10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Section 3.4, Section 5.4, Table 3-1
x	x	Section 3.5	10631(a)	Describe the land uses within the service area.	System Description	Section 4.1
x	x	Section 4.2	10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.1, Table 4-1, Table 4-2
x	x	Section 4.2.4	10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Section 4.2, Table 4-4
x	x	Section 4.2.6	10631(d)(4)(A)	In projected water use, include estimates of water savings from adopted codes, plans and other policies or laws.	System Water Use	Section 4.3
x	x	Section 4.2.6	10631(d)(4)(B)	Provide citations of codes, standards, ordinances, or plans used to make water use projections.	System Water Use	Section 4.3
x	optional	Section 4.3.2.4	10631(d)(3)(A)	Report the distribution system water loss for each of the 5 years preceding the plan update.	System Water Use	Section 4.2, Table 4-4
x	optional	Section 4.4	10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.4
x	x	Section 4.5	10635(b)	Demands under climate change considerations must be included as part of the drought risk assessment.	System Water Use	Section 4.5
x		Chapter 5	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, Table 5-1
x		Chapter 5	10608.24(a)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Section 5.8, Table 5-2
x	x	Section 5.1	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	NA
x		Section 5.2	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	NA
x		Section 5.5	10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7, Table 5-1, Table 5-2
x		Section 5.5 and Appendix E	10608.4	Retail suppliers shall report on their compliance in meeting their water use targets. The data shall be reported using a standardized form in the SBX7-7 2020 Compliance Form.	Baselines and Targets	Section 5.8, Table 5-2, Appendix B
x	x	Sections 6.1 and 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 7.2, Section 7.3
x	x	Sections 6.1	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, including changes in supply due to climate change.	System Supplies	Section 7.2, Section 7.3
x	x	Section 6.1	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 6.2, Section 6.3
x	x	Section 6.1.1	10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Chapter 6
x	x	Section 6.2.8	10631(b)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030, 2035, 2040 and optionally 2045.	System Supplies	Chapter 6, Table 6-8, Table 6-9
x	x	Section 6.2	10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2, Table 6-8, Table 6-9
x	x	Section 6.2.2	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
x	x	Section 6.2.2	10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Section 6.2
x	x	Section 6.2.2	10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2, Appendix O
x	x	Section 6.2.2.1	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	NA
x	x	Section 6.2.2.4	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, Table 6-1
x	x	Section 6.2.2	10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Section 6.2, Table 6-1
x	x	Section 6.2.7	10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.1, Section 6.7
x	x	Section 6.2.5	10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5
x	x	Section 6.2.5	10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5
x	x	Section 6.2.5	10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5
x	x	Section 6.2.5	10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5, Table 6-4, Table 6-5
x	x	Section 6.2.5	10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5
x	x	Section 6.2.5	10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5
x	x	Section 6.2.6	10631(a)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6
x	x	Section 6.2.5	10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area with quantified amount of collection and treatment and the disposal methods.	System Supplies (Recycled Water)	Section 6.5, Table 6-2
x	x	Section 6.2.8, Section 6.3.7	10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and for a period of drought lasting 5 consecutive water years.	System Supplies	Section 6.8
x	x	Section 6.4 and Appendix O	10631.2(a)	The UWMP must include energy information, as stated in the code, that a supplier can readily obtain.	System Supplies, Energy Intensity	Section 6.10, Appendix N
x	x	Section 7.2	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	Section 7.1
x	x	Section 7.2.4	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	Chapter 7
x	x	Section 7.3	10635(a)	Service Reliability Assessment: Assess the water supply reliability during normal, dry, and a drought lasting five consecutive 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, Table 7-4
x	x	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, Table 7-4 Table 7-5

x	x	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
x	x	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 7.2
x	x	Section 7.3	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, Table 7-5
x	x	Section 7.3	10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Section 7.3
x	x	Chapter 8	10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Chapter 8
x	x	Chapter 8	10632(a)(1)	Provide the analysis of water supply reliability (from Chapter 7 of Guidebook) in the WSCP	Water Shortage Contingency Planning	Section 8.1
x	x	Section 8.10	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
x	x	Section 8.2	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 8.2.1
x	x	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 8.2.2
x	x	Section 8.3	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, Table 8-1
x	x	Section 8.3	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
x	x	Section 8.4	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 8.4.2, Table 8-3
x	x	Section 8.4	10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Section 8.4.1, Section 8.4.7, Table 8-2
x	x	Section 8.4	10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Section 8.4.3
x	x	Section 8.4	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
x	x	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 8.4.7, Table 8-2
x	x	Section 8.4.6	10632.5	The plan shall include a seismic risk assessment and mitigation plan.	Water Shortage Contingency Plan	Section 8.4.6
x	x	Section 8.5	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
x	x	Section 8.5 and 8.6	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
x		Section 8.6	10632(a)(6)	Retail supplier must describe how it will ensure compliance with and enforce provisions of the WSCP.	Water Shortage Contingency Planning	Section 8.6
x		Section 8.7	10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Section 8.7
x	x	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
x	x	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
x	x	Section 8.8	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
x	x	Section 8.8	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
x		Section 8.8	10632(a)(8)(C)	Retail suppliers must describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought	Water Shortage Contingency Planning	Section 8.8
x		Section 8.9	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
x		Section 8.11	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
x	x	Sections 8.12 and 10.4	10635(c)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 30 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 8.12, Section 10.4, Appendix E
x	x	Section 8.12	10632(c)	Make available the Water Shortage Contingency Plan to customers and any city or county where it provides water within 30 after adopted the plan.	Water Shortage Contingency Planning	Section 8.12
	x	Sections 9.1 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	NA
x		Sections 9.2 and 9.3	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	Chapter 9
x		Chapter 10	10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets (recommended to discuss compliance).	Plan Adoption, Submittal, and Implementation	Section 10.3
x	x	Section 10.2.1	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. Reported in Table 10-1.	Plan Adoption, Submittal, and Implementation	Section 10.2.1, Table 10-1, Appendix D
x	x	Section 10.4	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	Section 10.4
x	x	Sections 10.2.2, 10.3, and 10.5	10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan and contingency plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.2, Section 10.3.1, Appendix F
x	x	Section 10.2.2	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 10.2.1, Appendix D
x	x	Section 10.3.2	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, Appendix G
x	x	Section 10.4	10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4, Appendix E
x	x	Section 10.4	10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Appendix E
x	x	Sections 10.4.1 and 10.4.2	10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Section 10.4
x	x	Section 10.5	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
x	x	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
x	x	Section 10.6	10621(c)	If supplier is regulated by the Public Utilities Commission, include its plan and contingency plan as part of its general rate case filings.	Plan Adoption, Submittal, and Implementation	NA
x	x	Section 10.7.2	10644(b)	If revised, submit a copy of the water shortage contingency plan to DWR within 30 days of adoption.	Plan Adoption, Submittal, and Implementation	NA