DRAFT

CITY OF YREKA

2015 URBAN WATER MANAGEMENT PLAN

JOB NO. 69.47.102

Prepared By:

PACE ENGINEERING
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L AWWA Water Audit Reporting Worksheet

M Annual Drinking Water Quality Report

ABBREVIATIONS AND TERMS

Certain terms and abbreviations have been used in this Plan for convenience. Definitions are as follows:

AF	Acre-Foot
AFY	Acre-Foot per Year
AMI	Advanced Metering Infrastructure
AMR	Automatic Meter Reading
BMP	Best Management Practice
CASGEM	California Statewide Groundwater Elevation Monitoring Program
CDPH	California Department of Public Health
CEHTP	California Environmental Health Tracking Program
CEQA	California Environmental Quality Act
CFS	Cubic Feet Per Second
CIMIS	California Irrigation Management Information System
CUWCC	California Urban Water Conservation Council
CWC	California Water Code
DMM	Demand Management Measures
DOF	Department of Finance
DWR	Department of Water Resources
ETo	Reference Evapotranspiration
GPCD	Gallons Per Capita per Day
GPM	Gallons per Minute
IRWM	Integrated Regional Water Management
ITP	Independent Technical Panel
KBRA	Klamath Basin Restoration Agreement

KHSA	Klamath Hydroelectric Settlement Agreement
LAFCO	Local Agency Formation Commission
MDD	Maximum Day Demand
MG	Million Gallons
MGD	Million Gallons per Day. Note: 1 MGD = 694 GPM
MWELO	Model Water Efficient Landscape Ordinance
SB	Senate Bill
SB X7-7	Senate Bill Seven of the Senate's Seventh Extraordinary Session of 2009
SWRCB	State Water Resources Control Board
UWMP	Urban Water Management Plan
UWMPA	Urban Water Management Planning Act
WSCP	Water Shortage Contingency Plan

1. INTRODUCTION AND OVERVIEW

The City of Yreka (City) is an incorporated municipality in Siskiyou County on Interstate 5 approximately 21 miles south of the California-Oregon border. The City has a long history of providing water for municipal and industrial purposes to its residents, businesses, and nearby landowners. Since the gold rush era of the 1800s, the City has used a variety of surface water and groundwater sources to supply water to meet the needs of its expanding population and changes in industry. Currently, the City of Yreka Public Works Department owns and operates the water distribution and water treatment facility to provide retail water service to a population of about 7,832 persons through approximately 3,016 connections for residential, commercial, industrial, institutional, and landscape demands.[1]

Within the past decade, the City reached a key water service connection threshold, thereby requiring it to prepare its first Urban Water Management Plan (UWMP) in 2010. After five years, the UWMP is in need of an update, consistent with the requirements of the California Water Code. This UWMP documents the City's current and future water supplies and demands and discusses relevant drivers of water demands and demand management potential, as well as supply reliability. This chapter provides background information regarding the UWMP.

1.1 BACKGROUND AND PURPOSE

The Urban Water Management Planning Act (UWMPA) requires "urban water suppliers" to develop UWMPs to serve as a tool for long-term resource planning and provide the public with the supplier's long-term plans to ensure that water supplies meet existing and future demands.

Prior to 1970, the City's water sources included a number of wells and reservoirs. The Greenhorn Dam and Reservoir was a major source of water to the City, but the quantity of water available during drought conditions was questionable. The North Well and Boston Shaft Well served as infiltration galleries and either pumped to storage reservoirs or directly into the distribution system.

[1] Large Water System 2015 Annual Report to the Drinking Water Program for Year Ending December 31, 2015

As the City grew, droughts and water shortages began to have greater impacts, and there were critical water shortages during the summers of 1944, 1955, 1957, 1959, and 1966. In 1966, the City commissioned a feasibility study to find alternate water sources. The report recommended that the City install a water conduit from Fall Creek at a location about 23 miles northeast of the City. In 1968, construction of the new 24-inch pipeline from Fall Creek, the Fall Creek Pump Station, the Water Treatment Plant, and the Evergreen, City Ranch, and Klamath Pass Reservoirs were completed, giving the City a safe reliable water supply.

The City has faced severe impacts from droughts and water shortages in the past, and even though the City has since obtained a reliable and abundant water source, there is no substitute for local water planning to secure water supplies during dry periods or catastrophic events. With the current ongoing drought and expected long-term effects of climate change looming, water planning is needed more than ever. This UWMP will serve as the basis for the City to effectively assess, plan, and manage its water resources to meet existing and future water needs of the community.

1.2 UWMP ORGANIZATION

The City's 2015 UWMP was developed based on the information provided in California Department of Water Resources' (DWR) "2015 Urban Water Managements Plans: Guidebook for Urban Water Suppliers" (March 2016). This UWMP is organized as follows:

- Chapter 2 provides information on the process for developing the UWMP.
- Chapter 3 provides a description of the City's service area, demographic characteristics, and climate.
- Chapter 4 details the demands on the City's system, including the past and future estimated demands.
- Chapter 5 describes the method for calculating the City's baseline and target water consumption, including whether or not the 2015 interim water use target was achieved and the City's plan for achieving their 2020 water use target.
- Chapter 6 describes the City's current and future water supplies.
- Chapter 7 describes the reliability of the City's water supplies.

- Chapter 8 outlines the City's water shortage contingency plan (WSCP).
- Chapter 9 discusses the City's demand management measures.
- Chapter 10 describes the steps taken to adopt the UWMP and make it publicly available.
- The appendices include background information and necessary supporting documents.

1.3 GRANT/LOAN ELIGIBILITY

It should be emphasized that pursuant to California Water Code (CWC) § 10608.56, urban retail water suppliers are not eligible for water grant or loan awarded or administered by the state on and after July 1, 2016 unless the City meets one of the following conditions:

- The City has met its 2015 interim urban water use target and eventually its 2020 urban water use target.
- The City has not met its per capita reductions but submits a schedule, financing plan, and budget to be included in the grant or loan agreement for achieving the per capita reductions.
- The City has not met its per capita reductions but provides documentation that its "entire service area qualifies as a disadvantaged community."
- The City has not met its per capita reductions but is participating in a multiagency water project, or an integrated regional water management plan.

2. PLAN PREPARATION

2.1 BASIS FOR PREPARING A PLAN

The UWMPA requires that urban water suppliers develop and adopt an UWMP and review and update at least once every five years to make necessary changes.[2] An "urban water supplier" is 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."[3] The City manages and operates a public water system that supplies water to approximately 3,016 customers. A "public water system" is defined under the California Health and Safety Code §116275 as "a system for the provision of water for human consumption through pipes or other constructed conveyance." The City is therefore required to develop and update an UWMP.

Table 2-1 – Public Water System (DWR Table 2-1)

Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
4710011	City of Yreka	3,016	1,972
	TOTAL	3,016	1,972
NOTES: Volume of Water Supplied is based on volume of water that was treated.			

2.2 REGIONAL PLANNING

Since the City is the only urban water supplier in Siskiyou County, the City has decided to forgo developing a cooperative UWMP in 2015 or proceeding with other regional water coordination/management efforts at this time.

2.3 PLANNING AND COMPLIANCE

The City has chosen to develop its 2015 UWMP on an Individual Reporting basis and report solely on its service area. This decision is recorded in Table 2-2. The City has notified and coordinated with appropriate regional agencies and constituents.

[2] CWC § 10621
[3] CWC § 10617

Table 2-2 – Plan Identification (DWR Table 2-2)

Select Only One	Type of Plan		Name of RUWMP or Regional Alliance *if applicable* *drop down list*
☑	**Individual UWMP**		
	☐	Water Supplier is also a member of a RUWMP	
	☐	Water Supplier is also a member of a Regional Alliance	
☐	**Regional Urban Water Management Plan (RUWMP)**		
NOTES:			

2.4 FISCAL OR CALENDAR YEAR AND UNITS OF MEASURE

The City of Yreka is a water retailer. The City's 2015 UWMP Tables are in calendar years and the water volumes are reported in units of acre-feet (AF). This information is summarized in Table 2-3.

Table 2-3 – Agency Identification (DWR Table 2-3)

Type of Agency (select one or both)	
☐	Agency is a wholesaler
☑	Agency is a retailer
Fiscal or Calendar Year (select one)	
☑	UWMP Tables Are in Calendar Years
☐	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
NOTES:	

2.5 COORDINATION AND OUTREACH

The UWMPA requires a water purveyor to coordinate the preparation of its UWMP with other appropriate agencies in and around its service area. This includes coordination with other water suppliers that share a common source, water management agencies, and relevant public agencies. The City coordinated preparation of its UWMP with the County of Siskiyou, the Karuk Tribe, and the public.

Specifically, the City notified the County of Siskiyou and the Karuk Tribe regarding the City's preparation of an UWMP by letter sent September 14, 2016.

The City does not receive any water from a wholesaler and therefore no wholesaler was informed of projected water use. This is reported in Table 2-4.

Table 2-4 – Water Supplier Information Exchange (DWR Table 2-4)

The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.
Wholesale Water Supplier Name *(Add additional rows as needed)*
N/A
NOTES:

3. SYSTEM DESCRIPTION

Chapter 3 provides a thorough description of the City's water system and the service area.

3.1 GENERAL DESCRIPTION

The City of Yreka is a municipal jurisdiction in Siskiyou County that serves about 1,972 acre-feet per year (AFY) of water to approximately 7,832 persons through approximately 3,016 connections. Almost all water is treated at the City's water treatment plant though there are a limited number of water deliveries to customers from the City's Fall Creek transmission line upstream of the water treatment plant; however, the water is chlorinated before delivery to these customers.

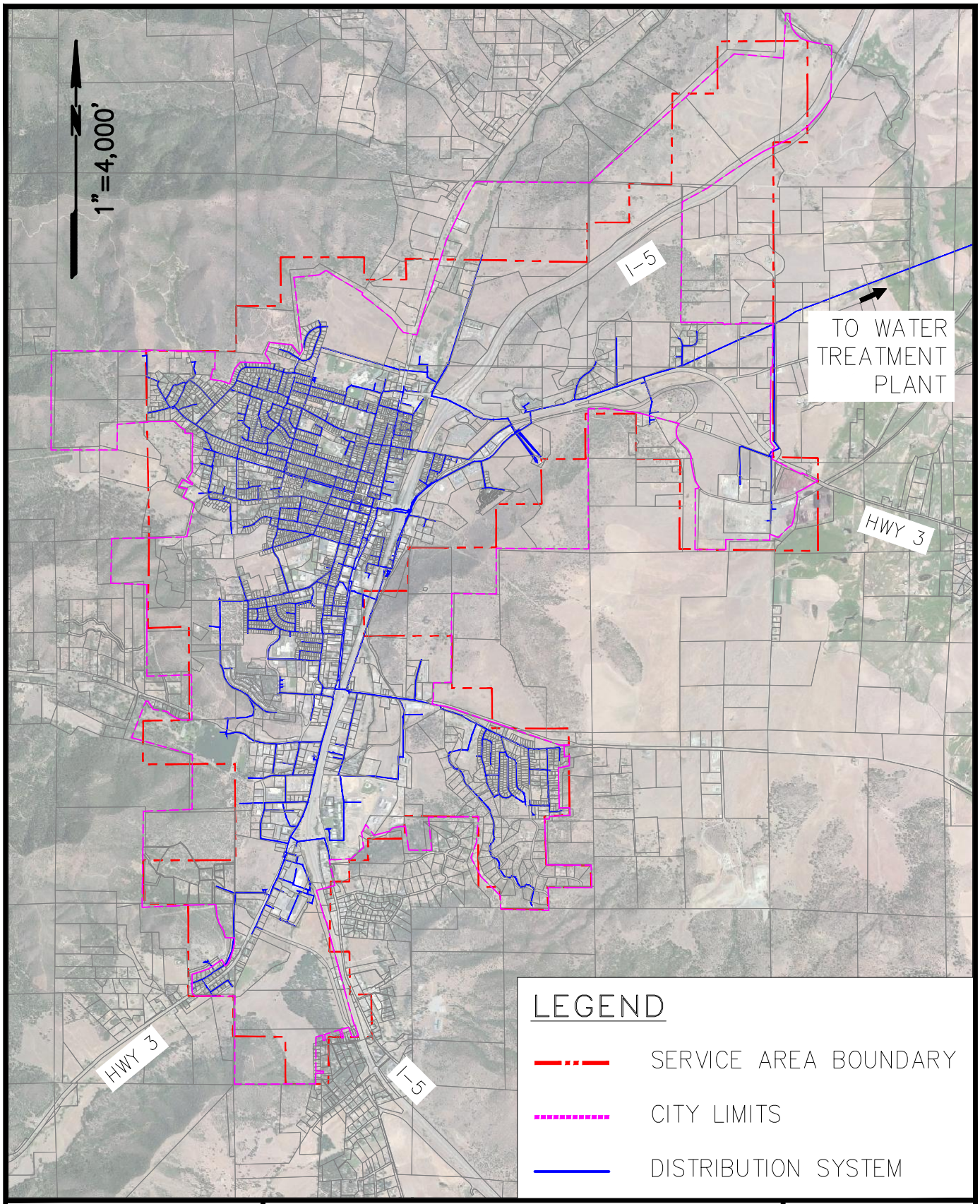
The City has developed and maintains raw water supply infrastructure, a water treatment plant, and water storage and distribution facilities. Raw water supplies are obtained from two sources – Fall Creek and Yreka Creek. The City's primary raw water supply is from Fall Creek. The City conveys Fall Creek water through a transmission line that begins about 23 miles northeast of the City of Yreka at the Fall Creek point of diversion. The City's water treatment plant is located about 7 miles from the city limits along the Fall Creek transmission line. Currently, the treatment plant has a capacity of 8.4 million gallons per day (MGD), with a net output of about 7.7 MGD given down time for backwash periods. Maximum daily flow through the treatment plant is about 6.4 MGD. The treatment plant site could accommodate additional filters to allow the City to treat water at a rate as high as the maximum allowable diversion under its Fall Creek water right. The City uses eight treated water storage reservoirs to meet peak demands. Total treated water storage capacity is 7.98 million gallons (MG). Also, the City distribution system contains approximately 310,000 feet of 1-inch to 14-inch diameter pipeline.

The City has also developed and maintained another raw water supply on Yreka Creek. If needed as an emergency backup supply, the City has the capability of diverting water from Yreka Creek using the North Well located south of the City's wastewater treatment plant. The City can deliver water produced from its North Well throughout its service area. In the 2010 UWMP, it was noted that the California Department of Public Health (CDPH) required that the City issue boil water notices when utilizing the water from the

North Well due to the lack of chlorine contact time; however, since that time, the City has completed a capital improvement project that replaced the pump station with new pumps, disinfection system, and pipeline connecting it to the City's distribution system. The City and its engineering consultant, PACE Engineering, Inc., worked closely with CDPH to investigate and test the water quality and design a disinfection system that would eliminate the need to issue boil order notices. The pump station has been designed to provide adequate disinfectant contact time and the concern of water quality when using this pump station has been resolved.

3.2 SERVICE AREA BOUNDARY MAPS

The City's Jurisdictional Boundary (City Limits) and Potable Water Service Area, which also represents the boundary of the City of Yreka Public Water System, are shown in Figure 3-1. It should be noted that there has been no changes to the service area since the baseline period.



PACE ENGINEERING
REDDING, CALIFORNIA

CITY OF YREKA
2015 URBAN WATER MANAGEMENT PLAN
SERVICE AREA BOUNDARY MAP

FIGURE 3-1

JOB #69.47.102

Plot Date: July 07, 2016 - 2:54 pm Login Name: CPaget
File Name: M:\Land Projects\0069.47.102 Urban Water Management Plan\Service Area Boundary Map.dwg, Layout: SERVICE AREA

3.3 SERVICE AREA CLIMATE

Figure 3-2 shows the average high and low temperature for the City. Typically, July and August are the hottest months of the year with an average high temperature of 90 degrees Fahrenheit. December and January are typically the coolest months of the year, with an average low temperature of 24 degrees Fahrenheit.

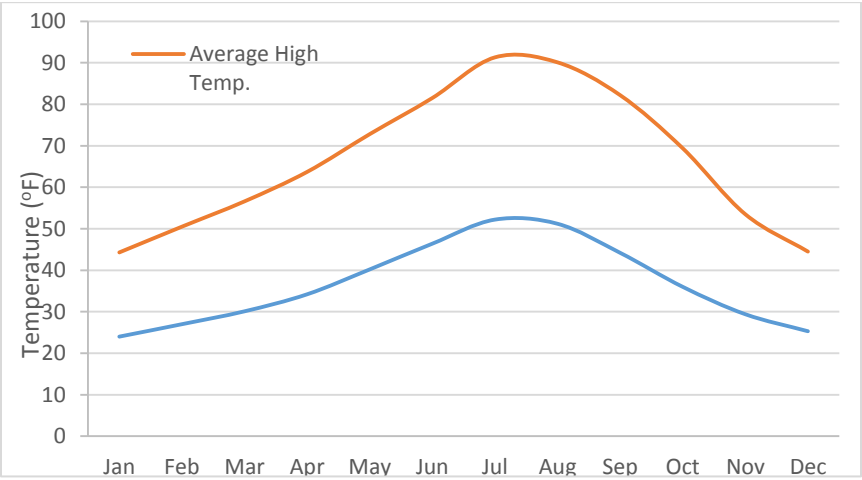


Figure 3-2 – City of Yreka, Average Low and High Temperature[4]

Precipitation in the City of Yreka typically averages about 18.5 inches/year. The wettest months are December and January, and the driest months are typically July and August. Figure 3-3 shows the average precipitation in the City by month.

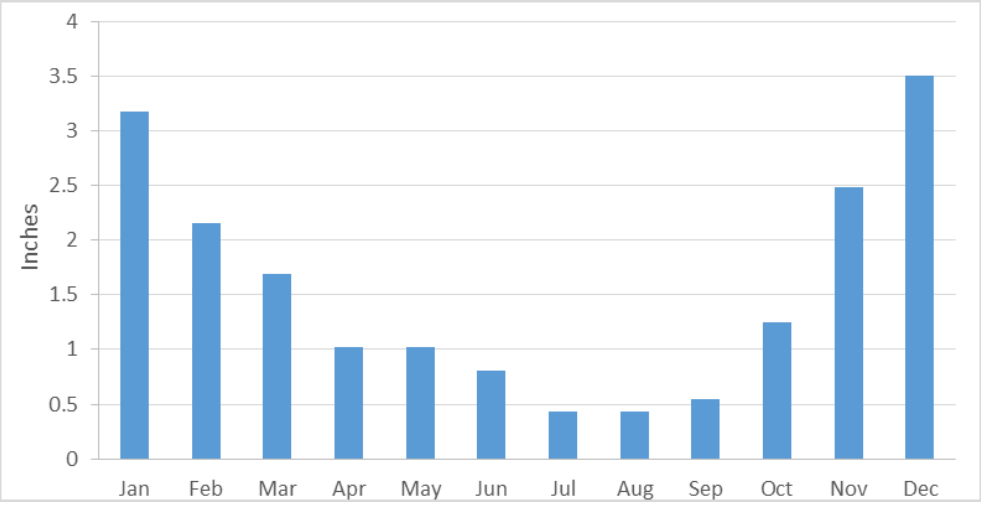


Figure 3-3 – City of Yreka, Average Monthly Precipitation[4]

[4] Western Regional Climate Center data for Yreka from National Climatic Data Center Cooperative Observer Network Station 049866, Period of Record: 02/01/1893 to 06/10/2016

For purposes of documenting reference evapotranspiration (ETo), the California Irrigation Management Information System (CIMIS), Reference Evapotranspiration Zones Map provides the most reliable ETo for the City. The CIMIS Zones Map indicates that the City lies within Zone 10, which it describes as a cool, high elevation area with strong summer sunlight. As shown in Figure 3-4, the annual ETo in Zone 10 is 49.1 inches. For comparison, the California Model Water Efficient Landscape Ordinance (MWELO) estimates that the ETo for the City is 39.3 inches. While the MWELO's ETo may ultimately serve as a basis for estimating outdoor demands for future connections in the City, the City will use the CIMIS Zone Map ETo where appropriate to calculate water demand in the 2015 UWMP to ensure that the demand estimate is conservative and supplies can be compared accordingly.

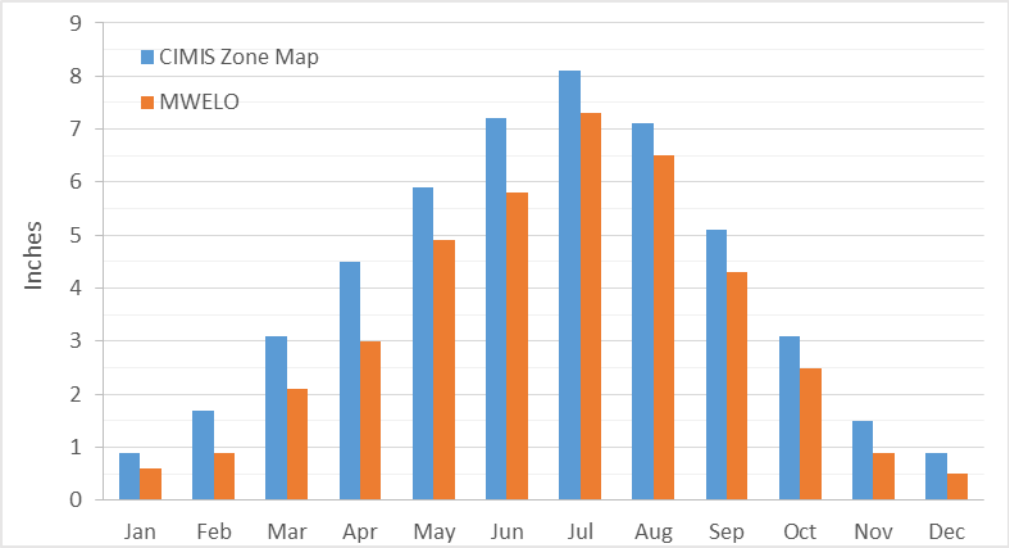


Figure 3-4 – City of Yreka, Reference Evapotranspiration (ETo)

3.4 SERVICE AREA POPULATION AND DEMOGRAPHICS

The California Department of Finance (DOF) provides annual estimates for the population of the cities and counties of California, and for 2015, the DOF estimated that the population of the City is 7,832. Since the water service boundary and the city limits are roughly the same, the DOF population data for the City is used as the service area population. Utilizing DOF's State and County Population Projections for July 1, 2010-2060 and assuming the percentage of the population of Siskiyou County that reside in Yreka remains constant, the population of the City was projected through the year 2040. The current and projected service area population is summarized in Table 3-1.

Table 3-1 – Population – Current and Projected (DWR Table 3-1)

Population Served	2015	2020	2025	2030	2035	2040*(opt)*
	7,832	7,973	8,071	8,110	8,104	8,012

NOTES: The City of Yreka's Population for 2015 was determined using the California Department of Finance's Population Estimates for Cities, Counties, and the State - January 1, 2015 and 2016 data. Population projections were estimated using California Department of Finance's State and County Population Projections - July 1, 2010-2060 (5-year) increments. The projection was accomplished by assuming that the percentage of the population of Siskiyou County that reside in Yreka will remain constant from 2015 which is 17%.

4. SYSTEM WATER USE

This chapter describes and quantifies the City's current water use and water use projections through the year 2040.

4.1 WATER USES BY SECTOR

This section describes the City's current and projected water use by sector through the year 2040. This 2015 UWMP uses the same definition for each sector as the DWR 2015 UWMP Guidebook, which are as follows:

- Single-family residential: A single-family dwelling unit. A lot with a free-standing building containing one dwelling unit that may include a detached secondary dwelling.
- Multi-family: Multiple dwelling units contained within one building or several buildings within one complex.
- Commercial: A water user that provides or distributes a product or service. CWC 10608.12 (d).
- Industrial: A water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System (NAICS) Code Sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development. CWC 10608.12 (h).
- Institutional (and governmental): A water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions. CWC 10608.12 (i).
- Landscape: Water connections supplying water solely for landscape irrigation. Such landscapes may be associated with multi-family, commercial, industrial, or institutional/governmental sites but are considered a separate water use sector if the connection is solely for landscape irrigation.

The actual water use for 2015 for each sector is recorded in Table 4-1.

Table 4-1 – Demands for Potable and Raw Water – Actual (DWR Table 4-1)

Table 4-1 Retail: Demands for Potable and Raw Water - Actual			
Use Type *(Add additional rows as needed)*	2015 Actual		
Drop down list *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool*	Additional Description *(as needed)*	Level of Treatment When Delivered *Drop down list*	Volume
Single Family		Drinking Water	738
Multi-Family		Drinking Water	255
Commercial		Drinking Water	489
Industrial		Drinking Water	79
Landscape		Drinking Water	123
Losses		Drinking Water	198
Other		Drinking Water	62
		TOTAL	1,944
NOTES: The City's "Commercial" use type includes Institutional/Government customers.			

The projected water use for each sector in five-year increments through 2040 is reported in Table 4-2. This projection of water is tied to the DOF's projected growth rate and an assumed 10% reduction in water losses every five years as the City eliminates leaks and can better manage system losses.

Table 4-2 – Demands for Potable and Raw Water – Projected (DWR Table 4-2)

Use Type *(Add additional rows as needed)*	Additional Description *(as needed)*	Projected Water Use *Report To the Extent that Records are Available*				
Drop down list *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool*		2020	2025	2030	2035	2040-opt
Single Family		752	761	765	764	755
Multi-Family		260	263	264	264	261
Commercial		497	503	506	505	500
Industrial		80	81	81	81	80
Landscape		125	127	127	127	126
Losses		198	178	161	145	130
Other		64	64	64	64	64
	TOTAL	1,976	1,977	1,968	1,950	1,916
NOTES:						

Projections of Total Water Demands for the City are reported in Table 4-3.

Table 4-3 – Total Water Demands (DWR Table 4-3)

	2015	2020	2025	2030	2035	2040 *(opt)*
Potable and Raw Water *From Tables 4-1 and 4-2*	1,944	1,976	1,977	1,968	1,950	1,916
Recycled Water Demand* *From Table 6-4*	0	0	0	0	0	0
TOTAL WATER DEMAND	1,944	1,976	1,977	1,968	1,950	1,916
**Recycled water demand fields will be blank until Table 6-4 is complete.*						
NOTES:						

4.2 DISTRIBUTION SYSTEM WATER LOSSES

This section reports on the City's distribution system losses in 2015. The distribution system losses were quantified using the American Water Works Association (AWWA) method and are recorded in Table 4-4.

Table 4-4 – 12-Month Water Loss Audit Reporting (DWR Table 4-4)

Reporting Period Start Date (mm/yyyy)	Volume of Water Loss*
01/2015	198
** Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.*	
NOTES:	

4.3 ESTIMATING FUTURE WATER SAVINGS

Future water savings were not included in the projection of future water demand estimates.

4.4 WATER USE FOR LOWER INCOME HOUSEHOLDS

Affordable units are assumed to be part of the overall mix of housing units and therefore low-income units are included in the total City's projected demands in Table 4-2.

Table 4-5 – Inclusion in Water Use Projections (DWR Table 4-5)

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

4.5 CLIMATE CHANGE

The City's projected water demand has limited exposure to climate change impacts based on Integrated Regional Water Management (IRWM) Climate Change Vulnerability Assessment.

The items that show that the City's projected water demand is vulnerable to climate change impacts are as follows:

- Based on the raw water master meter, water use varies by more than 50% seasonally in the City's service area, and seasonal water use is anticipated to increase as average temperatures rise and the frequency of droughts increases due to climate change.
- The City's Fall Creek water supply does have an instream flow requirement which does prevent the City from diverting the maximum allowable water in high demand months, and this problem may be exacerbated in the future due to climate change.

The items that show the City is not vulnerable to climate change impacts are as follows:

- The City is not home to major industries that require cooling/process water.
- The City does not supply water to fruit and nut crops which are climate sensitive.
- The groundwater supplies in the region have not been quantified, but the basin is

not considered to be overdrafted and therefore is considered to be resilient.

- Water use curtailment measures are effective in the region.

The City's vulnerability to climate change impacts in the future is a motive for the City's interest in developing alternative water supply sources such as groundwater, recycled water, or both.

5. BASELINE AND TARGETS

With the passage of the Water Conservation Act of 2009, commonly known as SB X7-7, the state has set a goal to reduce urban water use by 20% by the year 2020. Each urban water supplier is required to determine its baseline water use during their baseline period, as well as their target water use for 2015 and 2020 in order to achieve the necessary 20% statewide reduction.

In this chapter, the City reports its baseline water use for the baseline period and the City's target water use for 2015 and 2020 in line with SB X7-7 requirements, as well as demonstrates compliance with the established water use target for the year 2015.

5.1 UPDATING CALCULATIONS FROM 2010 UWMP

5.1.1 UPDATE OF TARGET METHOD

The City's 2010 UWMP made use of urban water use Target Method 1, which is 80 percent of its baseline per capita daily water use by 2020. The City has chosen to continue using this target method for the 2015 UWMP.

5.1.2 UPDATE OF BASELINE POPULATION

The City's 2010 UWMP project population for 2010 was based on the California DOF's projections. However, with the release of the 2010 United States Census Data in 2012, DWR has determined that the DOF's projections differed from the census data. DWR has determined that the baseline population for the 2015 UWMP must use the 2000 and 2010 United States Census Data; therefore, the population, baselines, and targets for this UWMP have been updated using the updated DOF projects based on the 2010 United States Census Data.

5.2 BASELINE PERIODS

With the update of the baseline population, the City has revisited the baseline periods used in the 2010 UWMP and determined that both the 10-year and 5-year baseline periods will remain the same for the 2015 UWMP.

5.3 SERVICE AREA POPULATION

With the release of the 2010 United States Census Data, the city has updated its population estimates using the DOF estimates from Table E-8 for 1990-2000 and 2000-2010, as well

as Table E-5 for 2011-2015 in line with DWR and SB X7-7 requirements. The City's population is reported in Table 5-1.

Table 5-1 – Service Area Population

Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	7,296
Year 2	2000	7,290
Year 3	2001	7,311
Year 4	2002	7,332
Year 5	2003	7,450
Year 6	2004	7,484
Year 7	2005	7,482
Year 8	2006	7,448
Year 9	2007	7,542
Year 10	2008	7,687
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	7,450
Year 2	2004	7,484
Year 3	2005	7,482
Year 4	2006	7,448
Year 5	2007	7,542
2015 Compliance Year Population		
2015		7,832
NOTES:		

5.4 GROSS WATER USE

The City's Gross Water Use was measured using the annual volume of the water treatment plant effluent. These volumes are reported in Table 5-2.

Table 5-2 – Volume Entering Distribution System (SB X7-7 Table 4-A)

Name of Source	Fall Creek			
This water source is:				
☑	The supplier's own water source			
☐	A purchased or imported source			
Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment * *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1999	2,593	-	2,593
Year 2	2000	2,522	-	2,522
Year 3	2001	2,642	-	2,642
Year 4	2002	2,691	-	2,691
Year 5	2003	2,694	-	2,694
Year 6	2004	2,863	-	2,863
Year 7	2005	2,597	-	2,597
Year 8	2006	2,785	-	2,785
Year 9	2007	2,604	-	2,604
Year 10	2008	2,677	-	2,677
Year 11	0	-	-	-
Year 12	0	-	-	-
Year 13	0	-	-	-
Year 14	0	-	-	-
Year 15	0	-	-	-
5 Year Baseline - Water into Distribution System				
Year 1	2003	2,694	-	2,694
Year 2	2004	2,863	-	2,863
Year 3	2005	2,597	-	2,597
Year 4	2006	2,785	-	2,785
Year 5	2007	2,604	-	2,604
2015 Compliance Year - Water into Distribution System				
2015		1,972	-	1,972
** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*				
NOTES:				

5.5 BASELINE DAILY PER CAPITA WATER USE

Using population and gross water use for the baseline periods and for 2015, per capita water use is calculated in gallons per capita per day (GPCD), and these values are reported in Table 5-3.

Table 5-3 – Gallons Per Capita Per Day (SB X7-7 Table 5)

Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Annual Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1999	7,296	2,593	317
Year 2	2000	7,290	2,522	309
Year 3	2001	7,311	2,642	323
Year 4	2002	7,332	2,691	328
Year 5	2003	7,450	2,694	323
Year 6	2004	7,484	2,863	342
Year 7	2005	7,482	2,597	310
Year 8	2006	7,448	2,785	334
Year 9	2007	7,542	2,604	308
Year 10	2008	7,687	2,677	311
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				**320**
5 Year Baseline GPCD				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use
Year 1	2003	7,450	2,694	323
Year 2	2004	7,484	2,863	342
Year 3	2005	7,482	2,597	310
Year 4	2006	7,448	2,785	334
Year 5	2007	7,542	2,604	308
5 Year Average Baseline GPCD				**323**
2015 Compliance Year GPCD				
2015		7,832	1,972	**225**
NOTES:				

5.6 2015 AND 2020 TARGETS

Using the selected baseline periods, the recorded gross water usage, and the updated population, the 2015 Interim Water Use Target and 2020 Water Use Target was determined and is reported in Table 5-4.

Table 5-4 – Baselines and Targets Summary (DWR Table 5-1)

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	*1999*	*2008*	*320*	*288*	*256*
5 Year	*2003*	*2007*	*323*		
*All values are in Gallons per Capita per Day (GPCD)					
NOTES:					

5.7 2015 COMPLIANCE DAILY PER CAPITA WATER USE

The City has calculated its actual 2015 GPCD water use in accordance with DWR's Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use (*Methodologies*), dated February 2016. The City's GPCD for 2015 was 225, well below the 2015 interim water use target of 288 and is also below the 2020 water use target of 256. See Table 5-5 for 2015 target water use compliance.

Table 5-5 – 2015 Compliance (DWR Table 5-2)

Actual 2015 GPCD*	2015 Interim Target GPCD*	**Optional Adjustments to 2015 GPCD** Enter "0" if no adjustment is made *From Methodology 8*					2015 GPCD* *(Adjusted if applicable)*	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
225	288	0	0	0	0	225	225	Yes
**All values are in Gallons per Capita per Day (GPCD)*								
NOTES:								

It should be noted that the DWR's *Methodologies* document outlines allowable adjustments to be made on the City's gross water use in 2015; however, the City has not made such adjustments because they are not needed to show compliance.

6. SYSTEM SUPPLIES

Chapter 6 describes and quantifies the City's existing and planned sources of water to meet demands through 2040 - the planning horizon of the 2015 UWMP.

6.1 PURCHASED OR IMPORTED WATER

The City does not purchase or import water and does not plan to do so in the foreseeable future.

6.2 GROUNDWATER

Currently, the City does not utilize groundwater; however, the City is interested in the possibility of developing and managing a groundwater supply system as an alternate water supply source. This section describes what is known about the local groundwater.

6.2.1 BASIN DESCRIPTION

The City overlies the Shasta Valley Groundwater Basin (DWR Basin 1-4). According to DWR Bulletin 118-3, the complexity of the region with respect to the extensive network of volcanic recharge/storage areas makes it difficult to estimate groundwater storage. A 1991 survey estimated that withdrawals for agricultural and municipal purposes were about 50,000 AFY and 2,210 AFY respectively.

6.2.2 GROUNDWATER MANAGEMENT

Since historically and currently the City has not relied on groundwater, no groundwater management plan has been developed and adopted and therefore is not included in this UWMP. The Shasta Valley Groundwater Basin is not an adjudicated basin; however, it should be noted that the basin is rated under the California Statewide Groundwater Elevation Monitoring Program (CASGEM) as a Medium Priority basin. The City is interested in developing a secondary water supply source and making the water system more resilient and therefore will be conducting a feasibility study of a secondary source in the near future. If the utilization of groundwater is deemed feasible and the City elects to develop a groundwater source, the City would be committed to exercising best management practices such as groundwater level and water quality monitoring, metering groundwater pumping, and continuing to promote water conservation.

6.2.3 OVERDRAFT CONDITIONS

The Shasta Valley Groundwater Basin is not adjudicated and DWR has neither identified the basin as overdrafted nor projected that the basin will be in overdraft.

6.2.4 HISTORICAL GROUNDWATER PUMPING

Because the City does not currently produces groundwater, historic groundwater production is not analyzed in this UWMP.

Table 6-1 – Groundwater Volume Pumped (DWR Table 6-2)

☑	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type ***Drop Down List*** *May use each category multiple times*	Location or Basin Name	2011	2012	2013	2014	2015
Add additional rows as needed						
	TOTAL	0	0	0	0	0
NOTES:						

6.3 SURFACE WATER

The City's water supplies are secured through six water rights. Three rights are adjudicated rights based on pre-1914 claims. The adjudicated rights are recognized in the Shasta River Adjudication Proceeding, Judgment and Decree, No. 7035 (Decree No. 7035). Three additional rights are based on one permit and two licenses issued by the State Water Resources Control Board (SWRCB). The six rights are summarized in Table 6-2.

Table 6-2 – City of Yreka – Adjudicated Water Rights

Water Right	Priority Date	Quantity	Water Source	Purpose of Use	Area Served
SWRCB Permit # 15379	1966	6,300 af/yr	Fall Creek	Domestic & Municipal Use	City of Yreka & Surrounding Region
SWRCB License # 6037	1955	1,214 af/yr	Yreka Creek Underflow	Municipal Use	City of Yreka & Vicinity
SWRCB License # 9850	1958	285 af/yr	Greenhorn Creek	Recreation & Standby Municipal Use	City of Yreka
Adjudicated Right (¶ 501)	1869	1.0 cfs (1/1-12/31)	Greenhorn Creek	Domestic & Municipal Use	City of Yreka
Adjudicated Right (¶ 502)	1870	1.0 cfs (1/1-12/31)	Greenhorn Creek	Domestic, Municipal, & Irrigation Use	City of Yreka; Specified Ag. Lands
Adjudicated Right (¶ 503)	1889	4.0 cfs (1/1-12/31)	Yreka Creek	Domestic & Municipal Use	City of Yreka

6.4 STORMWATER

The City currently does not have the infrastructure to divert stormwater for beneficial reuse but will evaluate the economic feasibility to develop such a system when opportunities arise.

6.5 WASTEWATER AND RECYCLED WATER

Section 6.5 provides a summary of the City's wastewater facilities, wastewater flows, and recycled water use within the City's water service area.

6.5.1 RECYCLED WATER COORDINATION

The City owns, operates, and maintains a 1.3 MGD wastewater treatment plant facility located between Highway 263 (North Main Street) and Yreka Creek, approximately 600 feet north of the intersection of Montague Road (Highway 3) and Highway 263.

6.5.2 COLLECTION, TREATMENT, AND DISPOSAL

The City's wastewater collection system consists of about 220,000 feet of collector and 43,000 feet of trunk sewers. The volume of wastewater collected from the City's collection system in 2015 is shown in Table 6-3.

Table 6-3 – Wastewater Collected Within Service Area in 2015 (DWR Table 6-2)

☐	There is no wastewater collection system. The supplier will not complete the table below.					
100%	Percentage of 2015 service area covered by wastewater collection system *(optional)*					
100%	Percentage of 2015 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? *Drop Down List*	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? *Drop Down List*	Is WWTP Operation Contracted to a Third Party? *(optional)* *Drop Down List*
Add additional rows as needed						
City of Yreka	Metered	966	City of Yreka	City of Yreka Wastewater Treatment Plant	Yes	No
Total Wastewater Collected from Service Area in 2015:		966				
NOTES:						

The City operates a complete mix activated sludge treatment plant. Wastewater enters the plant at the head works, which provides screening to remove large nontreatable debris for disposal at the landfill. The wastewater flows to an aeration basin that contains organisms which are part of the activated sludge. The wastewater is mixed and aerated with the activated sludge which feeds on the organic material in the wastewater.

The combined wastewater flocculates, forming larger and denser particles, and is then sent to the secondary clarifiers, where the sludge is settled out and separated from the liquid portion of the wastewater. Most of the settled sludge is returned to the aeration basin to start the process again. The remaining sludge is pumped to the aerobic digester where the organisms continue to reduce the organic matter to a more stable state. The sludge in the digester is pumped to the dewatering system, which is designed to reduce the amount of water in the sludge. When the sludge is dewatered, the product is considered biosolids and is applied to approved farm land to produce grain hay for stock feed.

The liquid portion of the wastewater in the clarifiers is sent to the chlorine contact basin where chlorine is added and allowed time to disinfect. After chlorination, the effluent is filtered utilizing a disc filter, which removes additional solids to prevent plugging of the subsurface disposal system; however, the filtration system has a capacity of 1.0 MGD, and any flows that exceed this limit will bypass the filters and be sent directly to

disposal. The effluent is tested for the presence of coliform bacteria prior to being sent to the percolation field for disposal. The volume of wastewater treated and disposed by the City's WWTP in 2015 is shown in Table 6-4.

Table 6-4 – Wastewater Treatment and Discharge in 2015 (DWR Table 6-3)

☐	No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.									
							2015 volumes			
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number *(optional)*	Method of Disposal *Drop down list*	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level *Drop down list*	Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
Add additional rows as needed										
City of Yreka Wastewater Treatment Plant	City of Yreka Wastewater Disposal Field	31-acre subsurface disposal field located 800 feet north of the WWTP		Subsurface infiltration gallery	No	Secondary, Disinfected - 2.2	966	966	0	0
						Total	966	966	0	0
NOTES:										

6.5.3 RECYCLED WATER SYSTEM

The City currently does not own, operate, or maintain a recycled water system; however, the City will be evaluating the economic feasibility of developing a recycled water system as opportunities arise.

6.5.4 RECYCLED WATER BENEFICIAL USES

This subsection describes the potential uses of recycled water while taking into account the technical and economic feasibility.

6.5.4.1 CURRENT AND PLANNED USES OF RECYCLED WATER

The City's WWTP produces disinfected secondary effluent and the reuse opportunities for this type of effluent are limited to some degree to limited landscaping uses and agricultural irrigation where the water does not contact the edible portion of the crop (e.g., irrigation of pasture land). Also, certain industrial uses of secondary treated water are allowable. Notably, parks and playgrounds, school grounds, residential landscaping, unrestricted-access golf courses, and food crops where recycled water contacts the edible portion of the crop, are all excluded uses for secondarily treated wastewater but allowed if treated to a tertiary level.

There are future landscape projects that may be able to use tertiary treated wastewater for irrigation purposes. For example, Yreka High School may renovate their athletic fields, at which time it may be possible to plumb the irrigation system for use of treated wastewater given the potential volume of water use at such facilities and its proximity to the City's wastewater treatment facilities. Yet, use of treated wastewater at school grounds requires additional treatment and disinfection, so it needs to be determined whether it would be economically feasible to develop such treatment when the benefits of water savings are considered.

Since the current treatment level of the wastewater allows for some agricultural and industrial uses and they are the highest water use type the city would consider for recycled water, the City would assess these potential consumers over spending money for treatment plant upgrades. However, because of the regional geography, wide-scale recycled water use for industrial and agricultural purposes would require pumping stations and other engineering facilities in order to allow such use, which may be cost prohibitive.

Table 6-5 – Recycled Water Direct Beneficial Uses (DWR Table 6-4)

☑	Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.							
Name of Agency Producing (Treating) the Recycled Water:		City of Yreka						
Name of Agency Operating the Recycled Water Distribution System:		City of Yreka						
Supplemental Water Added in 2015								
Source of 2015 Supplemental Water								
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment *Drop down list*	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irrigation								
Landscape irrigation (excludes 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)*								
Surface water augmentation (IPR)*								
Direct potable reuse								
Other *(Provide General Description)*								
		Total:	0	0	0	0	0	0
**IPR - Indirect Potable Reuse*								
NOTES:								

6.5.4.2 PLANNED VERSUS ACTUAL USE OF RECYCLED WATER

The 2010 UWMP projected no recycled water use for the year 2015, and this is reported in Table 6-6.

Table 6-6 – Recycled Water Use Projection Compared to Actual (DWR Table 6-5)

☑	Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type	**2010 Projection for 2015**	**2015 Actual Use**
Agricultural irrigation		
Landscape irrigation (excludes 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)		
Surface water augmentation (IPR)		
Direct potable reuse		
Other *Type of Use*		
Total	0	0
NOTES:		

6.5.5 ENCOURAGE & OPTIMIZE RECYCLED WATER USE

The City has no current recycled water use and currently does not have an implementation plan for recycled water use. As such, there are no specific actions that the City is planning to take in order to encourage recycled water use, and this is summarized in Table 6-7.

Table 6-7 – Methods to Expand Future Recycled Water Use (DWR Table 6-6)

☑	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	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			
		Total	0
NOTES:			

6.6 DESALINATED WATER OPPORTUNITIES

Currently, the City does not use desalinated water nor does it plan to use desalinated water in the future.

6.7 EXCHANGES OR TRANSFERS

The City does not engage in water transfers or exchanges and does not plan to do so in the future.

6.8 FUTURE WATER PROJECTS

The City's maximum day demand (MDD) for the current water rights service area is 15.9 MGD at ultimate build-out; however, the City's Fall Creek water right allocation is 9.7 MGD.[5] This shortfall could greatly inhibit growth as current water supplies cannot meet projected demand; therefore, the City is interested in developing additional water supplies to meet the demand of full build-out within the service area. In addition, the

[5] City of Yreka – 2005 Master Water Plan

Fall Creek supply facilities are over 45 years old, and as those facilities continue to age, the potential for a major failure will increase. This poses a serious risk to the City and its citizens; therefore, the City desires to develop reliable emergency water source(s) that can be utilized if the Fall Creek supply is interrupted for more than a day or so. In response to the above-mentioned known deficiencies, the City wishes to investigate the feasibility of developing a secondary water supply source through the installation of groundwater wells or the use of reclaimed wastewater for high demand irrigation needs such as schools, parks, and golf courses. The City will conduct a feasibility study in the near future to investigate alternative water supply sources and pursue a water supply source development project based on the report's findings.

Table 6-8 – Expected Future Water Supply Projects or Programs (DWR Table 6-7)

☐	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
☐	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type *Drop Down List*	Expected Increase in Water Supply to Agency *This may be a range*
	Drop Down List (y/n)	*If Yes, Agency Name*				
Add additional rows as needed						
Alternative Water Source	No		Develop a reliable emergency water supply source	Unknown	All Year Types	Unknown at this time
NOTES:						

6.9 SUMMARY OF EXISTING AND PLANNED SOURCES OF WATER

The City's existing actual water supply sources are listed in Table 6-9 and the City's projected water supply sources are listed in Table 6-10.

Table 6-9 – Water Supplies – Actual (DWR Table 6-8)

Water Supply	Additional Detail on Water Supply	2015		
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*		Actual Volume	Water Quality *Drop Down List*	Total Right or Safe Yield *(optional)*
Add additional rows as needed				
Surface water	Fall Creek	1,972	Drinking Water	6,300
Surface water	Yreka Creek Underflow	0	Drinking Water	1,214
Surface water	Greenhorn Creek	0	Drinking Water	285
	Total	1,972		7,799
Source: Based on monthly raw water master meter totals. Data exported from City SCADA.				

Table 6-10 – Water Supplies – Projected (DWR Table 6-9)

Water Supply	Additional Detail on Water Supply	Projected Water Supply *Report To the Extent Practicable*									
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*		**2020**		**2025**		**2030**		**2035**		**2040** *(opt)*	
		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)*	Reasonably Available Volume	Total Right or Safe Yield *(optional)*
Add additional rows as needed											
Surface water	Fall Creek	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300
Surface water	Yreka Creek Underflow	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214
Surface water	Greenhorn Creek	285	285	285	285	285	285	285	285	285	285
	Total	7,799	7,799	7,799	7,799	7,799	7,799	7,799	7,799	7,799	7,799
NOTES:											

6.10 CLIMATE CHANGE IMPACTS TO SUPPLY

The City's water supply has very limited exposure to climate change impacts based on the IRWM Climate Change Vulnerability Assessment.

The items that show that the City's water supply is vulnerable to climate change impacts are as follows:

- The City's existing water supply sources do not have the capability to store carryover supply surpluses from year to year such as a reservoir or aquifer and therefore has exposure to more severe multi-year droughts.

The items that show the City is not vulnerable to climate change impacts are as follows:

- The City's existing surface water supply is spring sourced and does not rely on snowmelt, and therefore, if snow packs decrease as the climate warms, the City's surface water supply is not at risk.
- The City does not rely on water diverted from the Delta, imports from the Colorado River, or imports from other climate-sensitive systems outside the region.
- The City does not rely on coastal aquifers.
- Since the City has established the Fall Creek water supply, the City has not faced a drought where it failed to meet local water demands.
- The City does not have invasive species management issues at the City's facilities or conveyance structures, or in nearby habitat areas.

The City's vulnerability to climate change impacts in the future, although limited, is a motive for the City's interest in developing alternative water supply sources such as groundwater, recycled water, or both.

7. WATER SUPPLY RELIABILITY

This chapter describes the long-term reliability of the City's water supplies.

7.1 CONSTRAINTS ON WATER SOURCES

7.1.1 PERMITTED AND LICENSED APPROPRIATIVE RIGHTS

Since the early 1970s, the City has relied on two appropriative water rights to provide water for domestic and municipal purposes. The two appropriative rights are from different water sources – Fall Creek, tributary to the Klamath River, and Yreka Creek, tributary to the Shasta River. Fall Creek water is transported through the Fall Creek transmission line to the City's water treatment plant. Yreka Creek water is diverted, when necessary, within the city boundaries as a backup water supply. A third water supply controlled by the City is from Greenhorn Creek. The purpose of use of this right is listed as recreation and standby municipal use. These three water supplies are summarized in Table 7-1. Based on the nature of each right, it is subject to a certain risk of reduction, which is discussed hereinafter.

Table 7-1 – City of Yreka - Permitted and Licensed Water Rights

Water Right	Priority Date	Quantity	Water Source	Purpose of Use	Area Served
SWRCB Permit # 15379	1966	6,300 af/yr	Fall Creek	Domestic & Municipal Use	City of Yreka & Surrounding Region
SWRCB License # 6037	1955	1,214 af/yr	Yreka Creek Underflow	Municipal Use	City of Yreka & Vicinity
SWRCB License # 9850	1958	285 af/yr	Greenhorn Creek	Recreation & Standby Municipal Use	City of Yreka

7.1.1.1 FALL CREEK WATER RIGHT

The City's 6,300 AFY entitlement is based on a permitted appropriative right (Permit 15379) from Fall Creek with a priority date of 1966. The City's 1966 right provides for a maximum diversion rate of 15 cubic feet per second (CFS) and a maximum annual

diversion quantity of 6,300 AFY.[6] A 2010 SWRCB order amended the water right to provide for a place of use under the right that includes an area that encompasses the City's service area. The Fall Creek water right is subject to a permit condition that requires the City to bypass a minimum flow of 15.0 CFS or the natural flow of the stream whenever it is less than 15.0 CFS.[7]

Apply Water to Full Beneficial Use

The last permit extension that the City received from the SWRCB was issued in 2012 and provided for an extension until December 31, 2022. Once the SWRCB issues a permit for a water right, a permittee has a specified time to show application of water to beneficial use. Typically, a water right holder will apply for an extension of time to show application of the permitted right to beneficial use if full application is not achieved by the date specified in the permit. Therefore, if full application is not achieved by December 31, 2022, the City will have to file a petition for an extension of time. The City will also have to prepare a California Environmental Quality Act (CEQA) analysis of the potential environmental impacts associated with an increase from the quantity of water (currently) diverted to the permitted amount of 6,300 AFY. Because the City has an adopted General Plan and Water Master Plan indicating a need for the entire 6,300 AFY to meet buildout demands, it is anticipated that the SWRCB will approve a future extension permit, if need be. Also, the City's 2005 CEQA analysis indicated that there will not be any significant environmental impacts if the SWRCB granted an extension of time for the City to put water to beneficial use, and it is assumed that this will still be the case in 2022 if a request for extension is required.

City of Yreka Fall Creek Instream Flow Requirement

Permit 15379 requires that the City bypass a minimum flow of 15.0 CFS or the natural channel flow of the stream whenever it is less than 15.0 CFS.[8] Ultimately, this condition could have an impact on the reliability of the Fall Creek right if flows in Fall Creek are limited. Given the fact that the City's 2015 average diversion rate was about 2.8 CFS and its maximum diversion rate was about 4.7 CFS, the instream flow condition has not

[6] Permit 15379 provides for a maximum diversion rate of 15.0 CFS and an annual diversion quantity of no more than 6,300 AFY. The average diversion rate that is equal to 6,300 AFY is 8.7 CFS.
[7] Permit condition #5 of Amended Permit 15379.
[8] See condition #5 in Amended Permit 15379. Also, see California Department of Fish and Game protest dated December 2, 1966.

been an issue to date. Yet, if the City ultimately has a need to divert as much as 15.0 CFS, it may not be able to do so at certain times of the year if flows in Fall Creek are somehow limited. The potential impact of this condition on the reliability of the City's Fall Creek water right is analyzed in Chapter 7.

PacifiCorp's Powerhouse Operations

The City's diversion of water from Fall Creek is closely connected to the operation of PacifiCorp's Fall Creek hydropower generating facility and its diversions from Spring Creek. PacifiCorp diverts water from Fall Creek upstream of the City under Statements of Diversion and Use S015372 and S015373. PacifiCorp claims a maximum non consumptive diversion right to 50 CFS based on pre-1914 claims and diversion rights from an adjacent creek under Oregon law (discussed below). Recent Statements of Diversion and Use indicate that PacifiCorp's non-consumptive diversion from Fall Creek averages between 33-36 CFS per month.[9] While there may have been average Fall Creek flows at PacifiCorp's point of diversion greater than 33-36 CFS in each of these years, there is no longer a USGS gage on Fall Creek to determine whether the flows were greater than the quantity diverted by PacifiCorp.

Recently, PacifiCorp received affirmation of its right to divert up to 16.5 CFS from Spring Creek under Oregon law.[10] While PacifiCorp appears to have secured a right to divert up to 16.5 CFS under Oregon law, it is not certain whether PacifiCorp has resumed Spring Creek diversions since the 2008 order was issued. Moreover, FERC relicensing may have an impact on PacificCorp's Spring Creek diversions. FERC may impose two conditions on PacifiCorp's federal hydropower permit – no diversions from Spring Creek to Fall Creek from June 1 through September 15 and a 4 CFS bypass requirement in Spring Creek the remainder of the year.[11] Given that the FERC conditions may result in PacifiCorp being unable to divert water during the driest part of the year to Fall Creek, the supply analysis in Section 3.7 considers Fall Creek flows absent diversions from Spring Creek to Fall Creek during the months of June through September in order to most conservatively assess supply reliability.

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[9] Supplemental Statements of Diversion and Use S015372 and S015373 filed with the SWRCB for the reporting years 2003, 2004, and 2005.
[10] *Taylor v. PacifiCorp*, Case 19, Claim 218, Contest 12, Oregon Water Resources Department. June 2008.
[11] Final EIS for Relicensing Klamath Hydroelectric Project No. 2082, November 16, 2007, pp. 5-42 -- 5-44.

Because PacifiCorp's right is non-consumptive and the majority of the diverted water returns to Fall Creek, it is sufficient to know how much PacifiCorp is diverting to determine the quantity of water available for the City to divert downstream. Again, recent filings with the SWRCB indicate average diversions in the range of 33-36 CFS.

Klamath River Agreements

Klamath Basin Restoration Agreement: According to the Klamath Basin Restoration Agreement (KBRA), the Klamath Hydroelectric Project (FERC No. 2082), located on the Klamath River and its tributaries, blocks the upstream passage of anadromous fish and other fish and has other impacts as a result of flow regulation.[12] The KBRA is intended to: (i) restore and sustain natural production of fish that naturally occupied the Klamath River Basin; (ii) establish reliable water and power supplies which sustain agricultural uses and communities and national wildlife refuges; (iii) contribute to the public welfare and the sustainability of all Klamath Basin communities.[13]

Specifically, the Fisheries Program of the KBRA is intended to restore and sustain natural production of Fish Species throughout the Klamath River Basin…and for reestablishment and maintenance of the ecological functionality and connectivity of fish habitat.[14] It provides for reintroduction of anadromous species throughout their historic range above Iron Gate Dam and provides that the focus of habitat restoration and monitoring is to be the Klamath River Basin.

Klamath Hydroelectric Settlement Agreement: The Klamath Hydroelectric Settlement Agreement (KHSA) establishes a process for removal of "hydroelectric facilities" and operation of the hydroelectric project until that time. "Hydroelectric facilities" include specific hydropower facilities within the jurisdictional boundary of FERC Project No. 2082: Iron Gate Dam, Copco No. 1 Dam, Copco No. 2 Dam, and J.C. Boyle Dam and appurtenant works currently licensed to PacifiCorp.[15]

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[12] Part 1.2.1, Klamath Basin Restoration Agreement, for the Sustainability of Public and Trust Resources and Affected Communities, February 18, 2010.
[13] Part 1.3, KBRA.
[14] Part 9.2.1, KBRA. Klamath River Basin or Klamath Basin shall mean: the lands tributary to the Klamath River in Oregon and California. (Part 1.7)
[15] Part 1.7, Klamath Basin Restoration Agreement, for the Sustainability of Public and Trust Resources and Affected Communities, February 18, 2010.

Both KBRA and KHSA could have an impact on the City's ability to divert water under its Fall Creek water right if there is a need to consider fish reintroduction or dam removal projects on Klamath tributaries to achieve KBRA and KHSA objectives.

7.1.1.2 YREKA CREEK WATER RIGHT

The City holds licensed appropriative right 6037 (License 6037) for diversion of subsurface flow from Yreka Creek with a priority date of 1955. License 6037 provides for a diversion of 1.68 CFS between January 1 and December 31, which is equivalent to approximately 1,216 AFY. Since the early 1970s, the City has used its Yreka Creek supply as an emergency backup water supply to its Fall Creek water supply. Water has been used intermittently from Yreka Creek over the past 40 years. The City has consistently filed progress reports as well as Reports of Licensee with the SWRCB, with the most current report having been submitted for the period 2012, 2013, and 2014.

The City submitted a Petition for Change to expand the place of use under License 6037 so that it includes the entire municipal service area served (at the time of the petition) by the City under Permit 15379 (i.e., Fall Creek Right), which the SWRCB approved on August 5, 2010. Because the water supply from Yreka Creek under License 6037 remains an important backup supply for the City, this UWMP will assume that a maximum annual quantity of 1,216 AFY is available to the City for its long-term planning purposes.

The Yreka Creek water supply serves as an important emergency water supply for the City. As stated in the 2010 UWMP, water quality issues associated with the Yreka Creek water supply had historically required the City to issue boil order notices when the water is used in the municipal system to meet demands; however, recently the City completed a capital improvement project that replaced the pump station with new pumps, disinfection, and pipeline connecting it to the City's distribution system. The City and its engineering consultant, PACE Engineering Inc., worked closely with CDPH to investigate and test the water quality and designed a disinfection system that would eliminate the need to issue boil order notices. The pump station has been designed to provide adequate disinfectant contact time and the concern of water quality when using this pump station resolved.

Legal Issues

License 6037 is subject to claims recognized in Decree No. 7035 and the riparian claims on Yreka Creek. According to SWRCB documents, some portion of adjudicated right holders still exercise their rights.[16] Yet, because no formal diversion records are maintained, it is not possible to determine the extent to which water is diverted under rights adjudicated in Decree No. 7035. Moreover, some diversions may exist under riparian claims, but it is not possible to determine the extent to which those claiming riparian rights are diverting water without a more thorough analysis of diversion records. The City has maintained its right to divert water under License 6037 in the face of these outstanding claims.

The City has successfully diverted water under the right. Prior to the City relying solely on its Fall Creek water right (pre-1971), the City reported full use of the Yreka Creek water supply (1,215 AFY) for at least the period of 1969, 1970, and 1971. Thus, even in the face of the adjudicated rights and riparian claims, the City has been able to use Yreka Creek water to the full extent of its licensed right.

7.1.1.3 GREENHORN CREEK WATER RIGHT

The City holds licensed appropriative right 9850 (License 9850) for diversion of water from Greenhorn Creek for recreational and standby municipal uses. The licensed right is for a diversion of 285 AFY for collection to storage and withdrawal. The priority date of this right is 1958. While the water right provides for standby municipal use, since the early 1970s, the City has used this supply for recreational purposes only by diverting water to storage in Greenhorn Reservoir. The City has consistently filed progress reports as well as Reports of Licensee, with the most current report having been submitted for the period of 2012, 2013, and 2014. In these most recent reports, as well as prior reports, the City has consistently reported annual diversions to storage of 285 AFY.

7.1.2 ADJUDICATED APPROPRIATIVE RIGHTS

The City is listed as the owner of three water rights in Decree No. 7035. The three rights are described in Table 7-2.

[16] SWRCB Decision 1475, In the Matter of Application 24461 of Yreka Airpark Inc. to Appropriate from Yreka Creek in Siskiyou County, October 20, 1977.

Table 7-2 – City of Yreka – Adjudicated Water Rights

Water Right	Priority Date	Quantity	Water Source	Purpose of Use	Area Served
Adjudicated Right (¶ 501)	1869	1.0 cfs (1/1-12/31)	Greenhorn Creek	Domestic & Municipal Use	City of Yreka
Adjudicated Right (¶ 502)	1870	1.0 cfs (1/1-12/31)	Greenhorn Creek	Domestic, Municipal, & Irrigation Use	City of Yreka; Specified Ag. Lands
Adjudicated Right (¶ 503)	1889	4.0 cfs (1/1-12/31)	Yreka Creek	Domestic & Municipal Use	City of Yreka

Decree No. 7035 reflects a final determination of rights on Yreka Creek and Greenhorn Creek.[17] The priority of all adjudicated rights on Yreka Creek and its tributaries are based upon diversion and application of water to beneficial use. In times of shortage, those with the earliest priority dates (as reflected in Table 10 of Decree No. 7035) are permitted to receive water to the full extent of their right prior to a more junior appropriator being entitled to divert any water.

Once perfected, maintenance of a right, through application of water to beneficial use, becomes critical in the face of claims of forfeiture.[18] Importantly, there is an exception to the beneficial use requirement for a municipality in CWC § 106.5, which could prove valuable for the City of Yreka.[19] For the City to use CWC § 106.5, if other water right holders have been using water that the City would otherwise be entitled to divert under the adjudication, it could argue that a necessity exists such that it is asserting its right to use the water that other water users had come to rely on in the interim. The necessity could arise if another water supply were not reliable enough to meet the City's long-term water supply needs and the City needed to use its Yreka Creek supply.

[17] CWC § 2773.
[18] CWC § 1241.
[19] CWC § 106.5 provides that "… the right of a municipality to acquire and hold rights to the use of water should be protected to the fullest extent necessary for existing and future uses, but that no municipality shall … prevent the appropriation and application of water in excess of its reasonable and existing needs to useful purposes by others subject to the rights of the municipality to apply such water to municipal uses as and when necessity therefore exists."

Greenhorn and Yreka Creek are included in the same prioritization schedule – "Yreka Creek and Tributaries." The total quantity of adjudicated rights listed in Decree No. 7035 for Yreka Creek and Tributaries is 36.008 CFS.[20] As mentioned in the prior section, a portion of the adjudicated rights are still exercised, though no formal diversion records are maintained, and therefore, it is not currently possible to determine the extent to which water is diverted under rights adjudicated in Decree No. 7035.[21] Importantly, the adjudicated rights on Yreka Creek are subject to claims of riparian right holders.[22]

7.1.2.1 YREKA CREEK ADJUDICATED RIGHT

The City's 1889 Yreka Creek right provides for a 4.0 CFS diversion during the period of January 1 through December 31 of each year. A 4.0 CFS diversion for a year equals 2,890 AF. As a water right distinct from License 6037, the right to 2,890 AFY exists in addition to the 1,216 AFY available under License 6037. The Yreka Creek right is 23rd in priority in the Yreka Creek and Tributaries schedule in Decree No. 7035. The total flow allocated to entities with higher priorities than the City is 24.378 CFS.[23]

The uncertainty surrounding the existing use of adjudicated rights on Yreka Creek makes the City's diversion priority under Decree No. 7035 unclear and therefore makes the reliability of the supply difficult to assess.

7.1.2.2 GREENHORN CREEK ADJUDICATED RIGHTS

The City's two adjudicated rights on Greenhorn Creek exist separate and apart from License 9850. Both the 1869 and 1870 rights are for 1.0 CFS each for domestic and municipal purposes in the City. Also, the 1870 right has irrigation as a listed use on specified lands.

Similar to the 1889 Yreka Creek right, the City's diversion priority under its adjudicated Greenhorn Creek rights is uncertain given that diversions are not tracked pursuant to Decree No. 7035 and therefore makes the reliability of the supply difficult to assess.

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[20] Table 10, Decree No. 7035.

[21] SWRCB, Decision No. 1475, October 20, 1977. According to the 1998 Summary of Operations for Watermaster Service in Northern California, Yreka Creek is not included in the Shasta River Watermaster Service Area. (p. 98)

[22] Summary of Operations for Watermaster Service in Northern California, 1998 Season, Department of Water Resources, October, 2000, p. 98.

[23] The entities with higher priorities than the City of Yreka may have more limited periods of use than the City of Yreka as many of the rights are for irrigation purposes.

7.2 RELIABILITY BY TYPE OF YEAR

This section reports the reliability of the water supply for an average water year, a single dry water year, and multiple dry water years. This UWMP uses the same water year definitions as those stated in DWR's 2015 UWMP Guidebook, which are as follows:

- Average/Normal Year: A year, or an averaged range of years, that most closely represents the average water supply available to the agency. The UWMP Act uses the term "normal" conditions.
- Single Dry Year: The single dry year is the year that represents the lowest water supply available to the agency.
- Multiple Dry Year Period: The multiple dry year period is the period that represents the lowest average water supply availability to the agency for a consecutive multiple year period (three years or more). This is generally considered to be the lowest average runoff for a consecutive multiple year period (three years or more) for a watershed since 1903.

7.2.1 FALL CREEK WATER SUPPLY RELIABILITY

Analysis of the City's Fall Creek supply indicates 100% reliability in average years and 100% reliability in single and multiple dry years, though pumping at the maximum allowable rate of 15.0 CFS may be restricted in some months in both normal and dry years. The reliability analysis is based on the USGS flow records for the period 1933-1959, with an adjustment made for the potential introduction of Spring Creek water to Fall Creek during that time period.[24] Reliability is also assessed in light of the City's bypass flow obligation in Amended Permit 15379 and PacifiCorp's potential 5.0 CFS bypass flow requirement at its Fall Creek diversion.[25]

7.2.1.1 <u>NORMAL YEAR</u>

Both historic flow data reported by USGS for the period 1933-1959 and recent diversions reported by PacifiCorp in its Statements of Diversion and Use support the

[24] The Spring Creek adjustment is made because FERC may impose relicensing conditions on PacifiCorp's Spring Creek diversions, which may limit the amount of water pumped from Spring Creek to Fall Creek and thereby limit downstream water supplies available to the City of Yreka.

[25] The potential PacifiCorp bypass flow requirement is considered because FER may impose relicensing conditions on PacifiCorp's Fall Creek diversion, which may increase the bypass flow requirement on its Fall Creek diversion from 0.5 CFS to 5.0 CFS.

conclusion that the City's Fall Creek water right is reliable in normal years because it should be able to divert water at the maximum rate under its water right in most years. Fall Creek flow records at the USGS Gage 11512000 near the confluence of Fall Creek and the Klamath River exist for the period of April 1933 to September 1959.

In analyzing flow records, some consideration needs to be made for the extent to which Pacific Power & Light Company (PacifiCorp's prior name) may have been diverting from Spring Creek because potential limitations on PacifiCorp's ability to divert from Spring Creek may have an impact on the amount of water available in Fall Creek. Records indicate that Pacific Power & Light Company was diverting about 4 CFS during the period flow records were kept at the USGS gage. Even if Pacific Power & Light Company had not been diverting 4.0 CFS, there would naturally have been about 29.0 CFS in Fall Creek at the lowest point of the year. Historically, Pacific Power & Light Company would have been able to divert this entire quantity (minus 0.50 CFS to meet its federal hydroelectric permit requirement). With a 5.0 CFS bypass requirement, under similar hydrologic conditions, PacifiCorp's diversion would be limited to about 24.0 CFS in the driest months under average hydrologic conditions. During the same dry months, the City of Yreka would be able to divert about 14.0 CFS under Permit 15379 because of its 15.0 CFS bypass flow requirement.[26]

7.2.1.2 SINGLE DRY YEAR

The single dry year water supply reliability analysis uses the lowest runoff year for the period 1933-1959 at the USGS gage. In 1939, total mean monthly discharge was 357 CFS. When monthly discharge is reduced by 4.0 CFS to account for the potential that PacifiCorp was diverting water from Spring Creek, 4.0 CFS is "added" to Fall Creek during all months except June through September, and when the City's 15.0 CFS bypass flow requirement is included, the total divertible flow dips to a low of 9.0 CFS. With only 9.0 CFS available in the driest months, the City's ability to divert water at the maximum allowable rate under Amended Permit 15379 would be limited.

[26] Yreka Domestic Water Supply Project, Fall Creek Supply, Feasibility Study, November, 1966, p. 16.

7.2.1.3 MULTIPLE DRY YEAR PERIOD

The results of the multiple dry year period analysis are similar to the single dry year. With the same adjustments in estimated flows made as that for the normal and single dry year, the total divertible flows dipping to a low of 9.0 CFS in the first dry year, 8.0 CFS in the second dry year, and 9.0 CFS in the third dry year. With only 8.0-9.0 CFS available in the driest months under similar hydrologic conditions during a multiple dry year period, the City of Yreka's ability to divert water at the maximum allowable rate under Amended Permit 15379 would be limited, though it should be able to divert nearly the entire maximum annual quantity under Permit 15379 if diverting at an average rate of 8.7 CFS.

7.2.1.4 SUMMARY OF FALL CREEK RELIABILITY

Based on the foregoing discussion, there are limitations on the City's ability to divert water under Permit 15379. Specifically, there are may be months in dry and potentially normal years when the City's ability to divert water at the maximum authorized rate of 15.0 CFS could be limited. Nevertheless, even with the conceivable flow limitations, the City could divert its allowable annual quantity of 6,300 AF in almost all years if diverting at least at an average rate of 8.7 CFS (instantaneous constant rate necessary to divert 6,300 AFY), and this volume is recorded in Table 7-3.

Table 7-3 – Basis of Water Year Data – Fall Creek (DWR Table 7-1)

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 1999-2000, use 2000*	Available Supplies if Year Type Repeats	
		☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____	
		☑ Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available	% of Average Supply
Average Year	1959	6300	100%
Single-Dry Year	1939	6300	100%
Multiple-Dry Years 1st Year	1939	6300	100%
Multiple-Dry Years 2nd Year	1940	6300	100%
Multiple-Dry Years 3rd Year	1941	6300	100%
Multiple-Dry Years 4th Year *Optional*			
Multiple-Dry Years 5th Year *Optional*			
Multiple-Dry Years 6th Year *Optional*			
NOTES: Fall Creek Water Source			

7.2.2 YREKA CREEK WATER SUPPLY RELIABILITY

Given the limited amount of flow data on Yreka Creek, it is difficult to determine the reliability of the City's two surface water supplies – License 6037 or its 1889 Adjudicated Right. The City's use data for License 6037 dates back to 1957, when the City first filed a report with the SWRCB indicating about 1,300 AF of use for the year. Ultimately, in 1959, the SWRCB licensed this right for a maximum of 1.68 CFS, which is equivalent to an annual average of 1,214 AF. The City showed maximum use of this quantity of water in Reports of Licensee to the SWRCB for the years 1960-1971.

Currently, the City is not able to claim that there is reliably more than 1.68 CFS available for it to divert from Yreka Creek when License 6037 is combined with its 1889 Yreka Creek right. Thus, the City estimates that a reliable supply of 1.68 CFS will be available in a normal year from Yreka Creek.

As for a dry year, SWRCB reports, from the time the City was attempting to secure a license (1959), indicate that the yield for the City during the dry 1959 summer may have been 55-60% of estimated average yield. Thus, for purposes of a long-term supply

projection during a single dry and multiple dry year period, the UWMP estimates that 50% of 1,216 AF is available, or 608 AFY. The volumes for each year type stated above for Yreka Creek are reported in Table 7-4.

Table 7-4 – Basis of Water Year Data – Yreka Creek (DWR Table 7-1)

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 1999-2000, use 2000*	Available Supplies if Year Type Repeats	
		☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____	
		☑ Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available	% of Average Supply
Average Year	N/A	1214	100%
Single-Dry Year	N/A	608	50%
Multiple-Dry Years 1st Year	N/A	608	50%
Multiple-Dry Years 2nd Year	N/A	608	50%
Multiple-Dry Years 3rd Year	N/A	608	50%
Multiple-Dry Years 4th Year *Optional*			
Multiple-Dry Years 5th Year *Optional*			
Multiple-Dry Years 6th Year *Optional*			
NOTES: Yreka Creek Underflow Water Source			

7.2.3 GREENHORN CREEK WATER SUPPLY RELIABILITY

As for Greenhorn Creek, the City estimates that 285 AFY is available under License 9850 for standby municipal and industrial purposes in normal years. As for a dry year, because the Greenhorn Creek watershed drains to Yreka Creek, the hydrology is assumed to be similar. Thus, it is assumed that 50% of the water supply under License 9850 is available in a dry year.

Similar to the 1889 Yreka Creek right, without reliable diversion records and flow data, the City cannot reasonably project the reliability of the Greenhorn Creek supplies under the 1869 and 1870 adjudicated Greenhorn Creek rights. The volumes for each year type stated above for Greenhorn Creek are reported in Table 7-5.

Table 7-5 – Basis of Water Year Data – Greenhorn Creek (DWR Table 7-1)

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 1999-2000, use 2000*	Available Supplies if Year Type Repeats	
		☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____	
		☑ Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available	**% of Average Supply**
Average Year	N/A	285	100%
Single-Dry Year	N/A	143	50%
Multiple-Dry Years 1st Year	N/A	143	50%
Multiple-Dry Years 2nd Year	N/A	143	50%
Multiple-Dry Years 3rd Year	N/A	143	50%
Multiple-Dry Years 4th Year *Optional*			
Multiple-Dry Years 5th Year *Optional*			
Multiple-Dry Years 6th Year *Optional*			
NOTES: Greenhorn Creek Water Source			

7.3 SUPPLY AND DEMAND ASSESSMENT

This section reports an assessment of the City's projected supply and demand for an average water year (Table 7-6), a single dry water year (Table 7-7), and a multiple dry year period (Table 7-8).

Table 7-6 – Normal Year Supply and Demand Comparison (DWR Table 7-2)

	2020	2025	2030	2035	2040 *(Opt)*
Supply totals *(autofill from Table 6-9)*	7,799	7,799	7,799	7,799	7,799
Demand totals *(autofill from Table 4-3)*	1,976	1,977	1,968	1,950	1,916
Difference	5,823	5,822	5,831	5,849	5,883
NOTES:					

Table 7-7 – Single Dry Year Supply and Demand Comparison (DWR Table 7-3)

	2020	2025	2030	2035	2040 (Opt)
Supply totals	7,051	7,051	7,051	7,051	7,051
Demand totals	1,976	1977	1,968	1,950	1,916
Difference	5,075	5,074	5,083	5,101	5,135
NOTES:					

Table 7-8 – Multiple Dry Year Supply and Demand Comparison (DWR Table 7-4)

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	7,051	7,051	7,051	7,051	7,051
	Demand totals	1,976	1977	1,968	1,950	1,916
	Difference	5,075	5,074	5,083	5,101	5,135
Second year	Supply totals	7,051	7,051	7,051	7,051	7,051
	Demand totals	1,976	1977	1,968	1,950	1,916
	Difference	5,075	5,074	5,083	5,101	5,135
Third year	Supply totals	7,051	7,051	7,051	7,051	7,051
	Demand totals	1,976	1977	1,968	1,950	1,916
	Difference	5,075	5,074	5,083	5,101	5,135
Fourth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Fifth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Sixth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
NOTES:						

7.4 REGIONAL SUPPLY RELIABILITY

Currently, all water demand is met with local water resources and no water is imported from other regions, and the City does not anticipate the need to import water from other regions within the UWMP planning horizon. The City is interested in developing more local water resources such as utilizing recycled water and using and managing groundwater, both of which will increase local supply reliability. The City is committed to continuing enforcement of and implementing new demand management measures in the future to maximize efficient use of local water supplies.

8. WATER SHORTAGE CONTINGENCY PLANNING

8.1 STAGES OF ACTION

The City has developed a Water Shortage Contingency Plan (WSCP) since the 2010 UWMP, which is based on a Water Efficiency Ordinance the City adopted in response to the drought.

The City's Water Efficiency Ordinance delegates the authority to determine the city water system's water conservation stage to the City's Director of Public Works. The director is to reach a determination based on whether the system's available water supply is sufficient to meet current customer demand. Once the director has determined the city water system has reached a new stage, the new stage will take full effect 10 days after the determination has been issued, and the City will publish a copy of the resolution in the newspaper and may also provide notice of the determination included in the regular billing statement or by a mailer.

The stages of action the City uses are listed in Table 8-1.

Table 8-1 – Stages of Water Shortage Contingency Plan (DWR Table 8-1)

Stage	Complete Both	
	Percent Supply Reduction[1] *Numerical value as a percent*	Water Supply Condition (*Narrative description)*
Add additional rows as needed		
1	None	Basic; Supply Will Meet All Demands
2	Up to 10%	Water Alert; Supplies Will Probably Not Meet Demands
3	11-20%	Water Warnings; Supplies Will Not Meet Expected Demands
4	21-35%	Water Crisis; Supplies Not Meeting Current Demands
5	Up to 50%	Water Emergency; Failure of Supply, Storage, or Distribution
[1] *One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.*		
NOTES:		

8.2 PROHIBITION ON END USES

To reduce the amount of water used, the City has identified a number of “wasteful” water uses, which the City will prohibit at all times. An important “wasteful” use is a limitation on water flowing from property based on excessive irrigation. Also, the City will limit the use of a free flowing hose for irrigation unless it is equipped with a sprinkler apparatus. During more severe shortages, the City will prohibit street washing and sidewalk cleaning, use of water for construction purposes, and ultimately, the use of water for irrigation purposes in the most severe conditions. Table 8-2 outlines the key prohibitions and the stage when the prohibition becomes mandatory.

Table 8-2 – Restrictions and Prohibitions on End Uses (DWR Table 8-2)

Stage	Restrictions and Prohibitions on End Users ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? *Drop Down List*
Add additional rows as needed			
1	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
1	Other - Require automatic shut of hoses		Yes
1	Other water feature or swimming pool restriction	Shall be equipped with a recirculation pump and shall be constructed to be leak proof	Yes
2	Landscape - Limit landscape irrigation to specific days	Maximum of 3 days per week	Yes
2	Other - Prohibit use of potable water for washing hard surfaces		Yes
3	Landscape - Limit landscape irrigation to specific days	Maximum of 2 days per week	Yes
3	Other - Prohibit use of potable water for construction and dust control		Yes
4	Landscape - Limit landscape irrigation to specific days	Maximum of 1 day per week	Yes
4	Other water feature or swimming pool restriction	No water from the City water system shall be used to drain and refill swimming pools, artificial lakes, ponds or streams	Yes
4	Other water feature or swimming pool restriction	No new permits for swimming pools, artificial lakes, ponds or streams shall be issued	Yes
4	Water Features - Restrict water use for decorative water features, such as fountains	Unless required to maintain existing vegetation or to sustain existing fish/animal life	Yes
4	Landscape - Other landscape restriction or prohibition		Yes
4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Or on a lawn	Yes
4	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Within 24 hours of notification	Yes
5	Landscape - Prohibit all landscape irrigation		Yes
5	Other	Flushing of sewer or fire hydrants is prohibited	Yes
5	Other	Flushing of fire protection systems is prohibited	Yes
5	Water Features - Restrict water use for decorative water features, such as fountains	Water use for ornamental ponds and fountains is prohibited	Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water		Yes
5	Landscape - Other landscape restriction or prohibition	Installation of any new lawns or landscaping is prohibited	Yes
NOTES: The above-listed restrictions and prohibitions on end uses can be found in Capter 12.12 "Water Efficiency" of the Yreka Municipal Code.			

8.3 PENALTIES, CHARGES, OTHER ENFORCEMENT OF PROHIBITIONS

The City's Water Efficiency Ordinance states the penalties for violations of the restrictions and prohibitions summarized in Table 8-2, as well as the associated procedure. It should be noted that the ordinance states that violations of any of the restrictions "must be personally observed by a member of the city staff able to personally attest to them." Each day a violation of the ordinance occurs is stated as a separate offense. Fines for such violations will be collected on the water bill and failure to pay a fine will be treated as a nonpayment of the water bill and water service may be terminated as a result of such action. The fines for such violations are as follows:

- First Violation: The City will issue a written warning and deliver a copy of a summary of this ordinance by mail.
- Second Violation: A second violation within the preceding twelve calendar months is punishable by a fine not to exceed one hundred dollars.
- Third Violation: A third violation within the preceding twelve calendar months is punishable by a fine not to exceed two hundred and fifty dollars.
- Fourth and Subsequent Violations: A fourth and any subsequent violation is punishable by a fine not to exceed five hundred dollars.
    - Water Flow Restrictor Device: In addition to any fines, the City may install a water flow restrictor device of approximately one gallon per minute (GPM) at the expense of the violator.
    - Termination of Service: In addition to any fines, the City may disconnect and/or terminate a customer's water service.

8.4 CONSUMPTION REDUCTION METHODS

Consumption reduction methods are actions that are taken by the City to reduce water demand within the water service area and differ from the prohibition summarized in Table 8-2 which limits the uses of water. The City does not currently employ any consumption reduction methods employed, and therefore, Table 8-3 has not been filled.

Table 8-3 – Stages of WSCP – Consumption Reduction Methods (DWR Table 8-3)

Stage	Consumption Reduction Methods by Water Supplier ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	Additional Explanation or Reference *(optional)*
Add additional rows as needed		
NOTES:		

While the City does not currently utilize consumption reduction methods, the City is planning on employing a program to reduce system water loss and increasing water waste patrols through the addition of code enforcement officers.

8.5 DETERMINING WATER SHORTAGE REDUCTION

The City measures the quantity of water consumed by its customers through the use of meters at the point of delivery to each customer. The aggregate of these meter readings will be used to compare current consumption in light of actions taken under a water shortage contingency plan to consumption in prior years. The difference between these readings will serve as a measure of the amount of water conserved.

8.6 REVENUE AND EXPENDITURE IMPACTS

The City expects revenue impacts with a reduction in water sales as a result of a reduction in water use under a water shortage contingency plan. During a water supply shortage, reduced revenue and higher operating and maintenance costs may occur because of:

1. Reduced water deliveries.
2. Pumping costs associated with use of North Well.
3. Higher administration costs for billing changes, customer notifications, customer inquiries, customer usage (office/field) monitoring, and promoting greater conservation.

During a catastrophic interruption as described in Section 8.8 these impacts would be more significant. The minor impacts from small and short-term shortages could likely be

absorbed into normal operating expenses, but catastrophic interruptions might not. To address this potential shortfall condition, higher rates and steeper fines for waste could be implemented. And the City could also access emergency funding sources.

8.7 RESOLUTION OR ORDINANCE

The City adopted a water shortage contingency ordinance in August 2015 and is found in Chapter 12.12 “Water Efficiency” of the Yreka Municipal Code. A copy of the ordinance is attached to the UWMP as Attachment J.

8.8 CATASTROPHIC SUPPLY INTERRUPTION

8.8.1 REGIONAL POWER OUTAGE

Command chain is defined as crews that are dispatched to operate generators and monitor operations. Criteria and procedures are provided to return system to normal operation. A plan contains contact information for responsible parties and support services. Water shortage contingency plan stages will be implemented as required by the situation.

8.8.2 EARTHQUAKE

Command chain is defined as crews that are dispatched to inspect infrastructure and critical operations. Operations response crews are assigned to monitor system operations and modify as necessary. Communication command chain is defined as coordination with other local water agencies and emergency response officials as necessary. Criteria and procedures are provided to return system to normal operation. A plan contains contact information for responsible parties and support services. Water shortage contingency plan stages will be implemented as required by the situation.

8.9 MINIMUM SUPPLY NEXT THREE YEARS

The estimated minimum water supply available during the next three water years are reported in Table 8-4 and reflect the combined availability of the City’s water supply sources and assumes the same hydrology as the historical multiple dry year period as reported in Chapter 7.

Table 8-4 – Minimum Supply Next Three Years (DWR Table 8-4)

	2016	2017	2018
Available Water Supply	7,515	7,515	7,515
NOTES:			

9. DEMAND MANAGEMENT MEASURE

This chapter provides a comprehensive description of the City's current and planned water conservation programs.

9.1 DEMAND MANAGEMENT MEASURES

The City is a member of the California Urban Water Conservation Council (CUWCC), and as such, they have pledged to implement Best Management Practices (BMP) to reduce urban water demand. These BMPs are considered Demand Management Measures (DMM) for this UWMP, and the City's current DMM are described in this section.

9.1.1 WATER WASTE PREVENTION ORDINANCE

The City adopted a water shortage contingency ordinance in August 2015 and is found in Chapter 12.12 "Water Efficiency" of the Yreka Municipal Code. A copy of the ordinance is attached to the UWMP as Attachment J.

9.1.2 METERING

All of the City's service connections are metered as of 2014 and the City's 2008 Water Utility Rate Report lays out a plan to repair or replace meters on a 15-year cycle or earlier if need be. In recent years, the City, in its meter replacement project, has been upgrading to Automatic Meter Reading (AMR) meters throughout the service area, which allows the City to obtain consumption data much more rapidly, which lowers operational cost. The City would be interested in upgrading to an Advanced Metering Infrastructure (AMI) system to obtain real-time consumption data, but based on the geography of the service area, it is not currently economically feasible. The City reads all meters monthly for a total of 12 times per year.

9.1.3 CONSERVATION PRICING

The City employs a conservation pricing rate structure for all water users. The City uses an increasing block rate structure for single-family and mutli-family customers and a uniform rate structure for commercial, industrial, institutional, irrigation, and all other customers.

9.1.4 PUBLIC EDUCATION AND OUTREACH

The City maintains a water efficiency page on the City's website, which provides a host of information to customers on water efficiency from the current stage of the water shortage contingency plan, the water restriction currently imposed in that stage, rebate information, water saving tips, and helpful educational links. The City offers free home surveys which evaluates both indoor and outdoor investigations and provides homeowners with recommendations for improving water efficiency. The City also utilizes newspaper and television spots to inform the public about water conservation.

9.1.5 ASSESSMENT & MANAGEMENT OF SYSTEM REAL LOSS

The City budgets for an ongoing annual distribution improvement project for steel water main replacement which tends to be beyond its serviceable life and highly prone to leaks.

9.1.6 CONSERVATION PROGRAM COORDINATION

The City staffs a part-time Water Efficiency Coordinator, Vickie Driver, who can be reached at City Hall at 530-841-2386. The conservation program was developed and implemented to promote water conservation and ensures compliance with the Best Management Practices of the CUWCC.

9.2 IMPLEMENTATION OVER THE PAST FIVE YEARS

All the above-mentioned demand management measures have been implemented in the past five years.

9.3 PLANNED IMPLEMENTATION TO ACHIEVE WATER USE TARGETS

The City has planned to hire a maintenance worker in the near future to operate an acoustic leak detection system to continuously survey the water system to identify leaks that can be promptly repaired by City staff. This activity will focus City resources to address leaks that are largely unknown to City staff which should reduce water system losses.

10. PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

This chapter provides a summary of the adoption and submission process for the 2015 UWMP.

10.1 INCLUSION OF ALL 2015 DATA

As stated in Chapter 1, this UWMP was developed on a calendar year basis and therefore includes all the water use and planning data for the entire year of 2015 and was completed after the calendar year 2015.

10.2 NOTICE OF PUBLIC HEARING

The City sent a letter to Siskiyou County notifying them about the 2015 UWMP preparation more than 60 days prior to the public hearing date in compliance with CWC §10621.

Table 10-1 – Notification to Siskiyou County (DWR Table 10-1)

County Name *Drop Down List*	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Siskiyou County	☑	☑

10.3 PUBLIC HEARING AND ADOPTION

A public hearing will be held to discuss the Draft 2015 UWMP at the regularly scheduled City Council meeting held on November 17, 2016.

The public hearing will provide a forum for the City's water users and the general public to become acquainted with the UWMP and ask questions.

It is anticipated that the City Council will adopt this UWMP on November 17, 2016.

10.4 PLAN SUBMITTAL

Within 30 days of this UWMP adoption, a copy of this UWMP will be submitted electronically to DWR through the WUEdata online submittal tool and a copy will be sent to Siskiyou County. In addition, a CD or hard copy of this UWMP will be submitted to the California State Library within the same 30 days.

10.5 PUBLIC AVAILABILITY

Within 30 days of submitting this UWMP to DWR, a copy of this UWMP will be available at Yreka City Hall for public review during normal business hours, and an electronic copy will be posted on the City's website.

10.6 AMENDING AN ADOPTED UWMP

If the City amends the adopted 2015 UWMP, the above-described notification, public hearing, adoption, and submittal process will be repeated for the amended copy.

APPENDIX A

CWC – URBAN WATER MANAGEMENT PLANNING

California Water Code Division 6, Part 2.6.
Chapter 1. General Declaration and Policy §10610-10610.4
Chapter 2. Definitions §10611-10617
Chapter 3. Urban Water Management Plans
Article 1. General Provisions §10620-10621
Article 2. Contents of Plans §10630-10634
Article 2.5. Water Service Reliability §10635
Article 3. Adoption And Implementation of Plans §10640-10645
Chapter 4. Miscellaneous Provisions §10650-10656

Chapter 1. General Declaration and Policy

SECTION 10610-10610.4

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

10610.2. (a) The Legislature finds and declares all of the following:

(1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.

(2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.

(3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.

(4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.

(5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.

(6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.

(7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

(8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.

(9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.

(b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

10610.4. The Legislature finds and declares that it is the policy of the state as follows:

(a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.

(b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.

(c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

Chapter 2. Definitions

SECTION 10611-10617

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

10611.5. “Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

10613. "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

10615. "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses,

reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

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 subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

Chapter 3. Urban Water Management Plans

Article 1. General Provisions

SECTION 10620-10621

10620. (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).

(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.

(c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.

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

(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.

(e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.

(f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

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).

(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. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.

(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).

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

Article 2. Contents of Plan

SECTION 10630-10634

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.

10631. A plan shall be adopted in accordance with this chapter that shall do all of the following:

(a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. 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 or as far as data is available.

(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). If groundwater is identified as an existing or planned source of

water available to the supplier, all of the following information shall be included in the plan:

(1) 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.

(2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, 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.

(3) 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.

(4) 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.

(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.

(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.

(d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.

(e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, 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.

(J) Distribution system water loss.

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

(3) (A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

(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.

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

(1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures 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.

(2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

(g) Include a description of 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 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.

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

(i) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivision (f) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.

(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).

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.

(b) It is the intent of the Legislature that the identification of projected water use for single-family and multifamily residential housing for lower income households will assist a supplier in complying with the requirement under Section 65589.7 of the Government Code to grant a priority for the provision of service to housing units affordable to lower income households.

10631.2. (a) In addition to the requirements of Section 10631, an urban water management plan may, but is not required to, include any of the following information:

(1) An estimate of the amount of energy used to extract or divert water supplies.

(2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.

(3) An estimate of the amount of energy used to treat water supplies.

(4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.

(5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.

(6) An estimate of the amount of energy used to place water into or withdraw from storage.

(7) Any other energy-related information the urban water supplier deems appropriate.

(b) The department shall include in its guidance for the preparation of urban water management plans a methodology for the voluntary calculation or estimation of the energy intensity of urban water systems. The department may consider studies and calculations conducted by the Public Utilities Commission in developing the methodology.

10631.5. (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).

(2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).

(3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban 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 implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.

(4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.

(B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a water demand management measure is less than the present value of the local costs of implementing that measure.

(b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:

(A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.

(B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.

(2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:

(i) Compliance on an individual basis.

(ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.

(B) The department may require additional information for any determination pursuant to this section.

(3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section 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 water demand management measures described in Section 10631.

(c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).

(d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.

(e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit biennial reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.

(f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

10631.7. The department, in consultation with the California Urban Water Conservation Council, shall convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The panel shall consist of no more than seven members, who shall be selected by the department to reflect a balanced representation of experts. The panel shall have at least one, but no more than two, representatives from each of the following: retail water suppliers, environmental organizations, the business community, wholesale water suppliers, and academia. The panel shall be convened by January 1, 2009, and shall report to the Legislature no later than January 1, 2010, and every five years thereafter. The department shall review the panel report and include in the final report to the Legislature the department's recommendations and comments regarding the panel process and the panel's recommendations.

10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier:

(1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions that are applicable to each stage.

(2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

(3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

(4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.

(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are

appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

(6) Penalties or charges for excessive use, where applicable.

(7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

(8) A draft water shortage contingency resolution or ordinance.

(9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

(b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the 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.

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

(a) A description of 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.

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

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

(d) A description and quantification of 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.

(e) 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.

(f) A description of 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.

(g) 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.

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.

Article 2.5. Water Service Reliability

SECTION 10635

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.

(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.

(c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

(d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

Article 3. Adoption and Implementation of Plans

SECTION 10640-10645

10640. Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630). The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

10641. An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

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. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. 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. 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.

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

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

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. 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.

(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1) shall be submitted electronically and shall include any standardized forms, tables, or displays specified by the department.

(b) (1) Notwithstanding Section 10231.5 of the Government Code, the department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part.

The report prepared by the department shall identify the exemplary elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

(2) A report to be submitted pursuant to paragraph (1) shall be submitted in compliance with Section 9795 of the Government Code.

(c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report water demand management measures adopted and implemented by specific urban water suppliers, and identified pursuant to Section 10631, that achieve water savings significantly above the levels established by the department to meet the requirements of Section 10631.5.

(2) The department shall distribute to the panel convened pursuant to Section 10631.7 the results achieved by the implementation of those water demand management measures described in paragraph (1).

(3) The department shall make available to the public the standard the department will use to identify exemplary water demand management measures.

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.

Chapter 4. Miscellaneous Provisions

SECTION 10650-10656

10650. Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

(a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

(b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.

10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.

10652. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.

10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.

10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.

10655. If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.

10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26

(commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

APPENDIX B

CWC – SUSTAINABLE WATER USE AND DEMAND REDUCTION (SB X7-7)

California Water Code Division 6, Part 2.55.

Chapter 1. General Declarations and Policy §10608-10608.8
Chapter 2. Definitions §10608.12
Chapter 3. Urban Retail Water Suppliers §10608.16-10608.44
Chapter 4. Agricultural Water Suppliers §10608.48
Chapter 5. Sustainable Water Management §10608.50
Chapter 6 Standardized Data Collection §10608.52
Chapter 7 Funding Provisions §10608.56-10608.60
Chapter 8 Quantifying Agricultural Water Use Efficiency §10608.64

Chapter 1. General Declarations and Policy

SECTION 10608-10608.8

10608. The Legislature finds and declares all of the following:

(a) Water is a public resource that the California Constitution protects against waste and unreasonable use.

(b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.

(c) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.

(d) Reduced water use through conservation provides significant energy and environmental benefits, and can help protect water quality, improve streamflows, and reduce greenhouse gas emissions.

(e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.

(f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.

(g) The Governor has called for a 20 percent per capita reduction in urban water use statewide by 2020.

(h) The factors used to formulate water use efficiency targets can vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.

(i) Per capita water use is a valid measure of a water provider's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water providers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of efficiency.

10608.4. It is the intent of the Legislature, by the enactment of this part, to do all of the following:

(a) Require all water suppliers to increase the efficiency of use of this essential resource.

(b) Establish a framework to meet the state targets for urban water conservation identified in this part and called for by the Governor.

(c) Measure increased efficiency of urban water use on a per capita basis.

(d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.

(e) Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.

(f) Promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.

(g) Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water conservation since the drought of the early 1990s.

(h) Recognize and account for the investment of urban retail water suppliers in providing recycled water for beneficial uses.

(i) Require implementation of specified efficient water management practices for agricultural water suppliers.

(j) Support the economic productivity of California's agricultural, commercial, and industrial sectors.

(k) Advance regional water resources management.

10608.8. (a) (1) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.

(2) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision (b) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to

January 1, 2021. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

(3) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.

(b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.

(c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.

(d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

Chapter 2 Definitions

SECTION 10608.12

10608.12. Unless the context otherwise requires, the following definitions govern the construction of this part:

(a) "Agricultural water supplier" means a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. "Agricultural water supplier" includes a supplier or contractor for water, regardless of the basis of right, that distributes or sells water for ultimate resale to customers. "Agricultural water supplier" does not include the department.

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

(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.

(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.

(c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.

(d) "Commercial water user" means a water user that provides or distributes a product or service.

(e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.

(f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.

(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.

(h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.

(i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

(j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.

(k) "Locally cost effective" means that the present value of the local benefits of implementing an agricultural efficiency water management practice is greater than or equal to the present value of the local cost of implementing that measure.

(l) "Process water" means water used for producing a product or product content or water used for research and development, including, but not limited to, continuous manufacturing processes, water used for testing and maintaining equipment used in producing a product or product content, and water used in combined heat and power facilities used in producing a product or product content. Process water does not mean incidental water uses not related to the production of a product or product content, including, but not limited to, water used for restrooms, landscaping, air conditioning, heating, kitchens, and laundry.

(m) "Recycled water" means recycled water, as defined in subdivision (n) of Section 13050, that is used to offset potable demand, including recycled water supplied for direct use and indirect potable reuse, that meets the following requirements, where applicable:

(1) For groundwater recharge, including recharge through spreading basins, water supplies that are all of the following:

(A) Metered.

(B) Developed through planned investment by the urban water supplier or a wastewater treatment agency.

(C) Treated to a minimum tertiary level.

(D) Delivered within the service area of an urban retail water supplier or its urban wholesale water supplier that helps an urban retail water supplier meet its urban water use target.

(2) For reservoir augmentation, water supplies that meet the criteria of paragraph (1) and are conveyed through a distribution system constructed specifically for recycled water.

(n) "Regional water resources management" means sources of supply resulting from watershed-based planning for sustainable local water reliability or any of the following alternative sources of water:

(1) The capture and reuse of stormwater or rainwater.

(2) The use of recycled water.

(3) The desalination of brackish groundwater.

(4) The conjunctive use of surface water and groundwater in a manner that is consistent with the safe yield of the groundwater basin.

(o) "Reporting period" means the years for which an urban retail water supplier reports compliance with the urban water use targets.

(p) "Urban retail water supplier" means a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable water annually at retail for municipal purposes.

(q) "Urban water use target" means the urban retail water supplier's targeted future daily per capita water use.

(r) "Urban wholesale water supplier," means a water supplier, either publicly or privately owned, that provides more than 3,000 acre-feet of water annually at wholesale for potable municipal purposes.

Chapter 3 Urban Retail Water Suppliers

SECTION 10608.16-10608.44

10608.16.(a) The state shall achieve a 20-percent reduction in urban per capita water use in California on or before December 31, 2020.

(b) The state shall make incremental progress towards the state target specified in subdivision (a) by reducing urban per capita water use by at least 10 percent on or before December 31, 2015.

10608.20.(a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. 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, and may determine the targets on a fiscal year or calendar year basis.

(2) It is the intent of the Legislature that the urban water use targets described in paragraph (1) cumulatively result in a 20-percent reduction from the baseline daily per capita water use by December 31, 2020.

(b) An urban retail water supplier shall adopt one of the following methods for determining its urban water use target pursuant to subdivision (a):

(1) Eighty percent of the urban retail water supplier's baseline per capita daily water use.

(2) The per capita daily water use that is estimated using the sum of the following performance standards:

(A) For indoor residential water use, 55 gallons per capita daily water use as a provisional standard. Upon completion of the department's 2016 report to the Legislature pursuant to Section 10608.42, this standard may be adjusted by the Legislature by statute.

(B) For landscape irrigated through dedicated or residential meters or connections, water efficiency equivalent to the standards of the Model Water Efficient Landscape Ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, as in effect the later of the year of the landscape's installation or 1992. An urban retail water supplier using the approach specified in this subparagraph shall use satellite imagery, site visits, or other best available technology to develop an accurate estimate of landscaped areas.

(C) For commercial, industrial, and institutional uses, a 10-percent reduction in water use from the baseline commercial, industrial, and institutional water use by 2020.

(3) Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's draft 20x2020 Water Conservation Plan (dated April 30, 2009). If the service area of an urban water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.

(4) A method that shall be identified and developed by the department, through a public process, and reported to the Legislature no later than December 31, 2010. The method developed by the department shall identify per capita targets that cumulatively result in a statewide 20-percent reduction in urban daily per capita water use by December 31, 2020. In developing urban daily per capita water use targets, the department shall do all of the following:

(A) Consider climatic differences within the state.

(B) Consider population density differences within the state.

(C) Provide flexibility to communities and regions in meeting the targets.

(D) Consider different levels of per capita water use according to plant water needs in different regions.

(E) Consider different levels of commercial, industrial, and institutional water use in different regions of the state.

(F) Avoid placing an undue hardship on communities that have implemented conservation measures or taken actions to keep per capita water use low.

(c) If the department adopts a regulation pursuant to paragraph (4) of subdivision (b) that results in a requirement that an urban retail water supplier achieve a reduction in daily per capita water use that is greater than 20 percent by December 31, 2020, an urban retail water supplier that adopted the method

described in paragraph (4) of subdivision (b) may limit its urban water use target to a reduction of not more than 20 percent by December 31, 2020, by adopting the method described in paragraph (1) of subdivision (b).

(d) The department shall update the method described in paragraph (4) of subdivision (b) and report to the Legislature by December 31, 2014. An urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may adopt a new urban daily per capita water use target pursuant to this updated method.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010 pursuant to Part 2.6 (commencing with Section 10610) 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.

(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.

(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).

(h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including, but not limited to, both of the following:

(A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.

(B) Criteria for adjustments pursuant to subdivisions (d) and (e) of Section 10608.24.

(2) The department shall post the methodologies and criteria developed pursuant to this subdivision on its Internet Web site, and make written copies available, by October 1, 2010. An urban retail water supplier shall use the methods developed by the department in compliance with this part.

(i) (1) The department shall adopt regulations for implementation of the provisions relating to process water in accordance with subdivision (l) of Section 10608.12, subdivision (e) of Section 10608.24, and subdivision (d) of Section 10608.26.

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the

Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

(j) (1) An urban retail water supplier is granted an extension to July 1, 2011, for adoption of an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) due in 2010 to allow the use of technical methodologies developed by the department pursuant to paragraph (4) of subdivision (b) and subdivision (h). An urban retail water supplier that adopts an urban water management plan due in 2010 that does not use the methodologies developed by the department pursuant to subdivision (h) shall amend the plan by July 1, 2011, to comply with this part.

(2) An urban wholesale water supplier whose urban water management plan prepared pursuant to Part 2.6 (commencing with Section 10610) was due and not submitted in 2010 is granted an extension to July 1, 2011, to permit coordination between an urban wholesale water supplier and urban retail water suppliers.

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.

10608.24.(a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

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

(c) An urban retail water supplier's compliance daily per capita water use shall be the measure of progress toward achievement of its urban water use target.

(d) (1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.
(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in

paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

(e) When developing the urban water use target pursuant to Section 10608.20, an urban retail water supplier that has a substantial percentage of industrial water use in its service area may exclude process water from the calculation of gross water use to avoid a disproportionate burden on another customer sector.

(f) (1) An urban retail water supplier that includes agricultural water use in an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) may include the agricultural water use in determining gross water use. An urban retail water supplier that includes agricultural water use in determining gross water use and develops its urban water use target pursuant to paragraph (2) of subdivision (b) of Section 10608.20 shall use a water efficient standard for agricultural irrigation of 100 percent of reference evapotranspiration multiplied by the crop coefficient for irrigated acres.

(2) An urban retail water supplier, that is also an agricultural water supplier, is not subject to the requirements of Chapter 4 (commencing with Section 10608.48), if the agricultural water use is incorporated into its urban water use target pursuant to paragraph (1).

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.

(b) In complying with this part, an urban retail water supplier may meet its urban water use target through efficiency improvements in any combination among its customer sectors. An urban retail water supplier shall avoid placing a disproportionate burden on any customer sector.

(c) For an urban retail water supplier that supplies water to a United States Department of Defense military installation, the urban retail water supplier's implementation plan for complying with this part shall consider the conservation of that military installation under federal Executive Order 13514.

(d) (1) Any ordinance or resolution adopted by an urban retail water supplier after the effective date of this section shall not require existing customers as of the effective date of this section, to undertake changes in product formulation, operations, or equipment that would reduce process water use, but may provide technical assistance and financial incentives to those customers to implement efficiency measures for process water. This section shall not limit

an ordinance or resolution adopted pursuant to a declaration of drought emergency by an urban retail water supplier.

(2) This part shall not be construed or enforced so as to interfere with the requirements of Chapter 4 (commencing with Section 113980) to Chapter 13 (commencing with Section 114380), inclusive, of Part 7 of Division 104 of the Health and Safety Code, or any requirement or standard for the protection of public health, public safety, or worker safety established by federal, state, or local government or recommended by recognized standard setting organizations or trade associations.

10608.28.(a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

(1) Through an urban wholesale water supplier.

(2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).

(3) Through a regional water management group as defined in Section 10537.

(4) By an integrated regional water management funding area.

(5) By hydrologic region.

(6) Through other appropriate geographic scales for which computation methods have been developed by the department.

(b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

10608.32. All costs incurred pursuant to this part by a water utility regulated by the Public Utilities Commission may be recoverable in rates subject to review and approval by the Public Utilities Commission, and may be recorded in a memorandum account and reviewed for reasonableness by the Public Utilities Commission.

10608.36. Urban wholesale water suppliers shall include in the urban water management plans required pursuant to Part 2.6 (commencing with Section 10610) an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part.

10608.40. Urban water retail suppliers shall report to the department on their progress in meeting their urban water use targets as part of their urban water management plans

submitted pursuant to Section 10631. The data shall be reported using a standardized form developed pursuant to Section 10608.52.

10608.42.(a) The department shall review the 2015 urban water management plans and report to the Legislature by July 1, 2017, on progress towards achieving a 20-percent reduction in urban water use by December 31, 2020. The report shall include recommendations on changes to water efficiency standards or urban water use targets to achieve the 20-percent reduction and to reflect updated efficiency information and technology changes.

(b) A report to be submitted pursuant to subdivision (a) shall be submitted in compliance with Section 9795 of the Government Code.

10608.43. The department, in conjunction with the California Urban Water Conservation Council, by April 1, 2010, shall convene a representative task force consisting of academic experts, urban retail water suppliers, environmental organizations, commercial water users, industrial water users, and institutional water users to develop alternative best management practices for commercial, industrial, and institutional users and an assessment of the potential statewide water use efficiency improvement in the commercial, industrial, and institutional sectors that would result from implementation of these best management practices. The taskforce, in conjunction with the department, shall submit a report to the Legislature by April 1, 2012, that shall include a review of multiple sectors within commercial, industrial, and institutional users and that shall recommend water use efficiency standards for commercial, industrial, and institutional users among various sectors of water use. The report shall include, but not be limited to, the following:

(a) Appropriate metrics for evaluating commercial, industrial, and institutional water use.

(b) Evaluation of water demands for manufacturing processes, goods, and cooling.

(c) Evaluation of public infrastructure necessary for delivery of recycled water to the commercial, industrial, and institutional sectors.

(d) Evaluation of institutional and economic barriers to increased recycled water use within the commercial, industrial, and institutional sectors.

(e) Identification of technical feasibility and cost of the best management practices to achieve more efficient water use statewide in the commercial, industrial, and institutional sectors that is consistent with the public interest and reflects past investments in water use efficiency.

10608.44. Each state agency shall reduce water use at facilities it operates to support urban retail water suppliers in meeting the target identified in Section 10608.16.

Chapter 4 Agricultural Water Suppliers

SECTION 10608.48

10608.48.(a) On or before July 31, 2012, an agricultural water supplier shall implement efficient water management practices pursuant to subdivisions (b) and (c).

(b) Agricultural water suppliers shall implement all of the following critical efficient management practices:

(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).

(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.

(c) Agricultural water suppliers shall implement additional efficient management practices, including, but not limited to, practices to accomplish all of the following, if the measures are locally cost effective and technically feasible:

(1) Facilitate alternative land use for lands with exceptionally high water duties or whose irrigation contributes to significant problems, including drainage.

(2) Facilitate use of available recycled water that otherwise would not be used beneficially, meets all health and safety criteria, and does not harm crops or soils.

(3) Facilitate the financing of capital improvements for on-farm irrigation systems.

(4) Implement an incentive pricing structure that promotes one or more of the following goals:

(A) More efficient water use at the farm level.

(B) Conjunctive use of groundwater.

(C) Appropriate increase of groundwater recharge.

(D) Reduction in problem drainage.

(E) Improved management of environmental resources.

(F) Effective management of all water sources throughout the year by adjusting seasonal pricing structures based on current conditions.

(5) Expand line or pipe distribution systems, and construct regulatory reservoirs to increase distribution system flexibility and capacity, decrease maintenance, and reduce seepage.

(6) Increase flexibility in water ordering by, and delivery to, water customers within operational limits.

(7) Construct and operate supplier spill and tailwater recovery systems.

(8) Increase planned conjunctive use of surface water and groundwater within the supplier service area.

(9) Automate canal control structures.

(10) Facilitate or promote customer pump testing and evaluation.

(11) Designate a water conservation coordinator who will develop and implement the water management plan and prepare progress reports.

(12) Provide for the availability of water management services to water users. These services may include, but are not limited to, all of the following:

(A) On-farm irrigation and drainage system evaluations.

(B) Normal year and real-time irrigation scheduling and crop evapotranspiration information.

(C) Surface water, groundwater, and drainage water quantity and quality data.

(D) Agricultural water management educational programs and materials for farmers, staff, and the public.

(13) Evaluate the policies of agencies that provide the supplier with water to identify the potential for institutional changes to allow more flexible water deliveries and storage.

(14) Evaluate and improve the efficiencies of the supplier's pumps.

(d) Agricultural water suppliers shall include in the agricultural water management plans required pursuant to Part 2.8 (commencing with Section 10800) a report on which efficient water management practices have been implemented and are planned to be implemented, an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future. If an agricultural water supplier determines that an efficient water management practice is not locally cost effective or technically feasible, the supplier shall submit information documenting that determination.

(e) The data shall be reported using a standardized form developed pursuant to Section 10608.52.

(f) An agricultural water supplier may meet the requirements of subdivisions (d) and (e) by submitting to the department a water conservation plan submitted to the United States Bureau of Reclamation that meets the requirements described in Section 10828.

(g) On or before December 31, 2013, December 31, 2016, and December 31, 2021, the department, in consultation with the board, shall submit to the Legislature a report on the agricultural efficient water management practices that have been implemented and are planned to be implemented and an assessment of the manner in which the implementation of those efficient water management practices has affected and will affect agricultural operations, including estimated water use efficiency improvements, if any.

(h) The department may update the efficient water management practices required pursuant to subdivision (c), in consultation with the Agricultural Water Management Council, the United States Bureau of Reclamation, and the board. All efficient water management practices for agricultural water use pursuant to this chapter shall be adopted or revised by the department only after the department conducts public hearings to allow participation of the diverse geographical areas and interests of the state.

(i) (1) The department shall adopt regulations that provide for a range of options that agricultural water suppliers may use or implement to comply with the measurement requirement in paragraph (1) of subdivision (b).

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

Chapter 5 Sustainable Water Management

Section 10608.50

10608.50.(a) The department, in consultation with the board, shall promote implementation of regional water resources management practices through increased incentives and removal of barriers consistent with state and federal law. Potential changes may include, but are not limited to, all of the following:

(1) Revisions to the requirements for urban and agricultural water management plans.

(2) Revisions to the requirements for integrated regional water management plans.

(3) Revisions to the eligibility for state water management grants and loans.

(4) Revisions to state or local permitting requirements that increase water supply opportunities, but do not weaken water quality protection under state and federal law.

(5) Increased funding for research, feasibility studies, and project construction.

(6) Expanding technical and educational support for local land use and water management agencies.

(b) No later than January 1, 2011, and updated as part of the California Water Plan, the department, in consultation with the board, and with public input, shall propose new statewide targets, or review and update existing statewide targets, for regional water resources management practices, including, but not limited to, recycled water, brackish groundwater desalination, and infiltration and direct use of urban stormwater runoff.

Chapter 6 Standardized Data Collection

SECTION 10608.52

10608.52.(a) The department, in consultation with the board, the California Bay-Delta Authority or its successor agency, the State Department of Public Health, and the Public Utilities Commission, shall develop a single standardized water use reporting form to meet the water use information needs of each agency, including the needs of urban water suppliers that elect to determine and report progress toward achieving targets on a regional basis as provided in subdivision (a) of Section 10608.28.

(b) At a minimum, the form shall be developed to accommodate information sufficient to assess an urban water supplier's compliance with conservation targets pursuant to Section 10608.24 and an agricultural water supplier's compliance with implementation of efficient water management practices pursuant to subdivision (a) of Section 10608.48. The form shall accommodate reporting by urban water suppliers on an individual or regional basis as provided in subdivision (a) of Section 10608.28.

Chapter 7 Funding Provisions

Section 10608.56-10608.60

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.

(b) On and after July 1, 2013, an agricultural 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.

(d) Notwithstanding subdivision (b), the department shall determine that an agricultural water supplier is eligible for a water grant or loan even though the supplier is not implementing all of the efficient water management practices described in Section 10608.48, if the agricultural 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 implementation of the efficient water management practices. The supplier may request grant or loan funds to implement the efficient water management practices 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).

10608.60.(a) It is the intent of the Legislature that funds made available by Section 75026 of the Public Resources Code should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for grants to implement this part. In the allocation of funding, it is the intent of the Legislature that the department give consideration to disadvantaged communities to assist in implementing the requirements of this part.

(b) It is the intent of the Legislature that funds made available by Section 75041 of the Public Resources Code, should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for direct expenditures to implement this part.

Chapter 8 Quantifying Agricultural Water Use Efficiency

SECTION 10608.64

10608.64. The department, in consultation with the Agricultural Water Management Council, academic experts, and other stakeholders, shall develop a methodology for quantifying the efficiency of agricultural water use. Alternatives to be assessed shall include, but not be limited to, determination of efficiency levels based on crop type or irrigation system distribution uniformity. On or before December 31, 2011, the department shall report to the Legislature on a proposed methodology and a plan for implementation. The plan shall include the estimated implementation costs and the types of data needed to support the methodology. Nothing in this section authorizes the department to implement a methodology established pursuant to this section.

APPENDIX C

CHANGES TO CWC SINCE 2010

Change Number	Topic	CWC Section	Legislative Bill	Summary	Guidebook Section
1	Demand Management Measures	10631 (f)(1) and (2)	AB 2067, 2014	Requires water suppliers to provide narratives describing their water demand management measures, as provided. Requires retail water suppliers to address the nature and extent of each water demand management measure implemented over the past 5 years and describe the water demand management measures that the supplier plans to implement to achieve its water use targets.	Chapter 9
2	Submittal Date	10621 (d)	AB 2067, 2014	Requires each urban water supplier to submit its 2015 plan to the Department of Water Resources by July 1, 2016.	Chapter 10
3	Electronic Submittal	10644 (a) (2)	SB 1420, 2014	Requires the plan, or amendments to the plan, to be submitted electronically to the department.	Chapter 10
4	Standardized Forms	10644 (a) (2)	SB 1420, 2014	Requires the plan, or amendments to the plan, to include any standardized forms, tables, or displays specified by the department.	CH 1, Section 1.4
5	Water Loss	10631 (e) (1) (J) and (e) (3) (A) and (B)	SB 1420, 2014	Requires a plan to quantify and report on distribution system water loss.	Appendix L
6	Estimating Future Water Savings	10631 (e) (4)	SB 1420, 2014	Provides for water use projections to display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans, when that information is available and applicable to an urban water supplier.	Appendix K
7	Voluntary Reporting of Energy Intensity	10631.2 (a) and (b)	SB 1036, 2014	Provides for an urban water supplier to include certain energy-related information, including, but not limited to, an estimate of the amount of energy used to extract or divert water supplies.	Appendix O
8	Defining Water Features	10632	AB 2409, 2010	Requires urban water suppliers to analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	CH 8, Section 8.2.4

1. Demand Management Measures (AB 2067, 2014)

10631(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:
~~(1) A description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:~~

~~(A) Water survey programs for single-family residential and multifamily residential customers.~~
~~(B) Residential plumbing retrofit.~~
~~(C) System water audits, leak detection, and repair.~~
~~(D) Metering with commodity rates for all new connections and retrofit of existing connections.~~
~~(E) Large landscape conservation programs and incentives.~~
~~(F) High-efficiency washing machine rebate programs.~~
~~(G) Public information programs.~~
~~(H) School education programs.~~
~~(I) Conservation programs for commercial, industrial, and institutional accounts.~~
~~(J) Wholesale agency programs.~~
~~(K) Conservation pricing.~~
~~(L) Water conservation coordinator.~~
~~(M) Water waste prohibition.~~
~~(N) Residential ultra-low-flush toilet replacement programs.~~

~~(2) A schedule of implementation for all water demand management measures proposed or described in the plan.~~
~~(3) A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.~~
~~(4) An estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the supplier's ability to further reduce demand.~~

~~(g) An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:~~
~~(1) Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.~~
~~(2) Include a cost-benefit analysis, identifying total benefits and total costs.~~
~~(3) Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.~~
~~(4) Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.~~
(1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures 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.

(2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

~~(h)~~

(g) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water ~~use~~ *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),~~ *programs* 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.

~~(i)~~

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

~~(j)~~

(i) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of ~~subdivisions~~ *subdivision* (f) ~~and (g)~~ by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the
annual reports required by Section 6.2 of that memorandum.

~~(k) Urban~~

2. Submittal Date (AB 2067, 2014)

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.

3. Electronic Submittal (SB 1420, 2014)

10644. (a)*(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1) shall be submitted electronically…*

4. Standardized Forms (SB 1420, 2014)

10644. (a)*(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1) … shall include any standardized forms, tables, or displays specified by the department.*

5. Water Loss (SB 1420, 2014)

(e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, 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.
(J) Distribution system water loss.

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

(3) (A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

6. Voluntary Reporting of Passive Savings (SB 1420, 2014)

10631 (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.

7. Voluntary Reporting of Energy Intensity (SB 1036, 2014)

10631.2. (a) In addition to the requirements of Section 10631, an urban water management plan may, but is not required to, include any of the following information:

(1) An estimate of the amount of energy used to extract or divert water supplies.

(2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.

(3) An estimate of the amount of energy used to treat water supplies.

(4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.

(5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.

(6) An estimate of the amount of energy used to place water into or withdraw from storage.

(7) Any other energy-related information the urban water supplier deems appropriate.

(b) The department shall include in its guidance for the preparation of urban water management plans a methodology for the voluntary calculation or estimation of the energy intensity of urban water systems. The department may consider studies and calculations conducted by the Public Utilities Commission in developing the methodology.

8. Defining Water Features (AB 2409, 2010)

10632 (b) Commencing with the urban water management plan update due December 31, 2015, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the 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.

APPENDIX D

DWR TABLES

Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
4710011	City of Yreka	3,054	1,972
	TOTAL	3,054	1,972
NOTES: Volume of Water Supplied is based on volume of water that was treated.			

Table 2-2: Plan Identification			
Select Only One	**Type of Plan**		**Name of RUWMP or Regional Alliance** *if applicable* *drop down list*
☑	**Individual UWMP**		
	☐	Water Supplier is also a member of a RUWMP	
	☐	Water Supplier is also a member of a Regional Alliance	
☐	**Regional Urban Water Management Plan (RUWMP)**		
NOTES:			

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
☐	Agency is a wholesaler
☑	Agency is a retailer
Fiscal or Calendar Year (select one)	
☑	UWMP Tables Are in Calendar Years
☐	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
NOTES:	

Table 2-4 Retail: Water Supplier Information Exchange
The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.
Wholesale Water Supplier Name *(Add additional rows as needed)*
N/A
NOTES:

Table 3-1 Retail: Population - Current and Projected						
Population Served	2015	2020	2025	2030	2035	2040*(opt)*
	7,832	7,973	8,071	8,110	8,104	8,012
NOTES: The City of Yreka's Population for 2015 was determined using the California Department of Finance's Population Estimates for Cities, Counties, and the State - January 1, 2015 and 2016 data. Population projections were estimated using California Department of Finance's State and County Population Projections - July 1, 2010-2060 (5-year) increments. The projection was accomplished by assuming that the percentage of the population of Siskiyou County that reside in Yreka will remain constant from 2015 which is 17%.						

Table 4-1 Retail: Demands for Potable and Raw Water - Actual			
Use Type *(Add additional rows as needed)*	2015 Actual		
Drop down list *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool*	Additional Description *(as needed)*	Level of Treatment When Delivered *Drop down list*	Volume
Single Family		Drinking Water	738
Multi-Family		Drinking Water	255
Commercial		Drinking Water	489
Industrial		Drinking Water	79
Landscape		Drinking Water	123
Losses		Drinking Water	198
Other		Drinking Water	62
		TOTAL	1,944
NOTES: The City's "Commercial" use type includes Instituitional/Government customers.			

Table 4-2 Retail: Demands for Potable and Raw Water - Projected						
Use Type *(Add additional rows as needed)*	Additional Description *(as needed)*	Projected Water Use *Report To the Extent that Records are Available*				
Drop down list *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool*		2020	2025	2030	2035	2040-opt
Single Family		752	761	765	764	755
Multi-Family		260	263	264	264	261
Commercial		497	503	506	505	500
Industrial		80	81	81	81	80
Landscape		125	127	127	127	126
Losses		198	178	161	145	130
Other		64	64	64	64	64
	TOTAL	1,976	1,977	1,968	1,950	1,916
NOTES:						

Table 4-3 Retail: Total Water Demands						
	2015	2020	2025	2030	2035	2040 *(opt)*
Potable and Raw Water *From Tables 4-1 and 4-2*	1,944	1,976	1,977	1,968	1,950	1,916
Recycled Water Demand* *From Table 6-4*	0	0	0	0	0	0
TOTAL WATER DEMAND	1,944	1,976	1,977	1,968	1,950	1,916
**Recycled water demand fields will be blank until Table 6-4 is complete.*						
NOTES:						

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss*
01/2015	198
** Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.*	
NOTES:	

Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) *Drop down list (y/n)*	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc… utilized in demand projections are found.	
Are Lower Income Residential Demands Included In Projections? *Drop down list (y/n)*	Yes
NOTES:	

Table 5-1 Baselines and Targets Summary
Retail Agency or Regional Alliance Only

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	*1999*	*2008*	*320*	*288*	*256*
5 Year	*2003*	*2007*	*323*		

*All values are in Gallons per Capita per Day (GPCD)

NOTES:

Table 5-2: 2015 Compliance
Retail Agency or Regional Alliance Only

Actual 2015 GPCD*	2015 Interim Target GPCD*	Optional Adjustments to 2015 GPCD Enter "0" if no adjustment is made *From Methodology 8*					2015 GPCD* *(Adjusted if applicable)*	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
225	288	0	0	0	0	225	225	Yes

**All values are in Gallons per Capita per Day (GPCD)*

NOTES:

Table 6-1 Retail: Groundwater Volume Pumped						
☑	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type *Drop Down List* *May use each category multiple times*	Location or Basin Name	2011	2012	2013	2014	2015
Add additional rows as needed						
	TOTAL	0	0	0	0	0
NOTES:						

Table 6-2 Retail: Wastewater Collected Within Service Area in 2015						
☐	There is no wastewater collection system. The supplier will not complete the table below.					
100%	Percentage of 2015 service area covered by wastewater collection system *(optional)*					
100%	Percentage of 2015 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? *Drop Down List*	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? *Drop Down List*	Is WWTP Operation Contracted to a Third Party? *(optional)* *Drop Down List*
Add additional rows as needed						
City of Yreka	Metered	966	City of Yreka	City of Yreka Wastewater Treatment Plant	Yes	No
Total Wastewater Collected from Service Area in 2015:		966				
NOTES:						

Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015										
☐	No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.									
							2015 volumes			
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number *(optional)*	Method of Disposal *Drop down list*	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level *Drop down list*	Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
Add additional rows as needed										
City of Yreka Waste Water Treatment Plant	City of Yreka Waste Water Disposal Field	31-acre subsurface disposal field located 800 feet north of the WWTP		Subsurface infiltration gallery	No	Secondary, Disinfected - 2.2	966	966	0	0
						Total	966	966	0	0
NOTES:										

Table 6-4 Retail: Current and Projected 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 Agency Producing (Treating) the Recycled Water:		City of Yreka						
Name of Agency Operating the Recycled Water Distribution System:		City of Yreka						
Supplemental Water Added in 2015								
Source of 2015 Supplemental Water								
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment *Drop down list*	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irrigation								
Landscape irrigation (excludes 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)*								
Surface water augmentation (IPR)*								
Direct potable reuse								
Other *(Provide General Description)*								
		Total:	0	0	0	0	0	0
**IPR - Indirect Potable Reuse*								
NOTES:								

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual			
☑	Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.		
Use Type		**2010 Projection for 2015**	**2015 Actual Use**
Agricultural irrigation			
Landscape irrigation (excludes 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)			
Surface water augmentation (IPR)			
Direct potable reuse			
Other	*Type of Use*		
	Total	0	0
NOTES:			

Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
☑	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	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			
		Total	0
NOTES:			

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.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type *Drop Down List*	Expected Increase in Water Supply to Agency *This may be a range*
	Drop Down List (y/n)	*If Yes, Agency Name*				
Add additional rows as needed						
Alternative Water Source	No		Develop a reliable emergency water supply source	Unknown	All Year Types	Unknown at this time
NOTES:						

Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
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*		Actual Volume	Water Quality *Drop Down List*	Total Right or Safe Yield *(optional)*
Add additional rows as needed				
Surface water	Fall Creek	1,972	Drinking Water	6,300
Surface water	Yreka Creek Underflow	0	Drinking Water	1,214
Surface water	Greenhorn Creek	0	Drinking Water	285
	Total	1,972		7,799
Source: Based on monthly raw water master meter totals. Data exported from City SCADA.				

Table 6-9 Retail: Water Supplies — Projected											
Water Supply	Additional Detail on Water Supply	Projected Water Supply *Report To the Extent Practicable*									
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*		**2020**		**2025**		**2030**		**2035**		**2040** *(opt)*	
		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)*	Reasonably Available Volume	Total Right or Safe Yield *(optional)*
Add additional rows as needed											
Surface water	Fall Creek	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300
Surface water	Yreka Creek Underflow	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214
Surface water	Greenhorn Creek	285	285	285	285	285	285	285	285	285	285
	Total	7,799	7,799	7,799	7,799	7,799	7,799	7,799	7,799	7,799	7,799
NOTES:											

Table 7-1 Retail: Basis of Water Year Data			
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 1999-2000, use 2000*	Available Supplies if Year Type Repeats	
		☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____	
		☑ Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available	% of Average Supply
Average Year	1959	6300	100%
Single-Dry Year	1939	6300	100%
Multiple-Dry Years 1st Year	1939	6300	100%
Multiple-Dry Years 2nd Year	1940	6300	100%
Multiple-Dry Years 3rd Year	1941	6300	100%
Multiple-Dry Years 4th Year *Optional*			
Multiple-Dry Years 5th Year *Optional*			
Multiple-Dry Years 6th Year *Optional*			
NOTES: Fall Creek Water Source			

Table 7-1 Retail: Basis of Water Year Data			
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 1999-2000, use 2000*	Available Supplies if Year Type Repeats	
		☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____	
		☑ Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available	% of Average Supply
Average Year	N/A	1214	100%
Single-Dry Year	N/A	608	50%
Multiple-Dry Years 1st Year	N/A	608	50%
Multiple-Dry Years 2nd Year	N/A	608	50%
Multiple-Dry Years 3rd Year	N/A	608	50%
Multiple-Dry Years 4th Year *Optional*			
Multiple-Dry Years 5th Year *Optional*			
Multiple-Dry Years 6th Year *Optional*			
NOTES: Yreka Creek Underflow Water Source			

Table 7-1 Retail: Basis of Water Year Data			
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 1999-2000, use 2000*	Available Supplies if Year Type Repeats	
		☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____	
		☑ Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available	% of Average Supply
Average Year	N/A	285	100%
Single-Dry Year	N/A	143	50%
Multiple-Dry Years 1st Year	N/A	143	50%
Multiple-Dry Years 2nd Year	N/A	143	50%
Multiple-Dry Years 3rd Year	N/A	143	50%
Multiple-Dry Years 4th Year *Optional*			
Multiple-Dry Years 5th Year *Optional*			
Multiple-Dry Years 6th Year *Optional*			
NOTES: Greenhorn Creek Water Source			

Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 *(Opt)*
Supply totals *(autofill from Table 6-9)*	7,799	7,799	7,799	7,799	7,799
Demand totals *(autofill from Table 4-3)*	1,976	1,977	1,968	1,950	1,916
Difference	5,823	5,822	5,831	5,849	5,883
NOTES:					

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals	7,051	7,051	7,051	7,051	7,051
Demand totals	1,976	1977	1,968	1,950	1,916
Difference	5,075	5,074	5,083	5,101	5,135
NOTES:					

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	7,051	7,051	7,051	7,051	7,051
	Demand totals	1,976	1977	1,968	1,950	1,916
	Difference	5,075	5,074	5,083	5,101	5,135
Second year	Supply totals	7,051	7,051	7,051	7,051	7,051
	Demand totals	1,976	1977	1,968	1,950	1,916
	Difference	5,075	5,074	5,083	5,101	5,135
Third year	Supply totals	7,051	7,051	7,051	7,051	7,051
	Demand totals	1,976	1977	1,968	1,950	1,916
	Difference	5,075	5,074	5,083	5,101	5,135
Fourth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Fifth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Sixth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
NOTES:						

Table 8-1 Retail Stages of Water Shortage Contingency Plan		
Stage	Complete Both	
	Percent Supply Reduction[1] *Numerical value as a percent*	Water Supply Condition (*Narrative description)*
Add additional rows as needed		
1	None	Basic; Supply Will Meet All Demands
2	Up to 10%	Water Alert; Supplies Will Probably Not Meet Demands
3	11-20%	Water Warnings; Supplies Will Not Meet Expected Demands
4	21-35%	Water Crisis; Supplies Not Meeting Current Demands
5	Up to 50%	Water Emergency; Failure of Supply, Storage, or Distribution
[1] *One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.*		
NOTES:		

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses			
Stage	Restrictions and Prohibitions on End Users ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? *Drop Down List*
Add additional rows as needed			
1	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
1	Other - Require automatic shut of hoses		Yes
1	Other water feature or swimming pool restriction	Shall be equipped with a recirculation pump and shall be constructed to be leak proof	Yes
2	Landscape - Limit landscape irrigation to specific days	maximum of 3 days per week	Yes
2	Other - Prohibit use of potable water for washing hard surfaces		Yes
3	Landscape - Limit landscape irrigation to specific days	maximum of 2 days per week	Yes
3	Other - Prohibit use of potable water for construction and dust control		Yes
4	Landscape - Limit landscape irrigation to specific days	maximum of 1 days per week	Yes
4	Other water feature or swimming pool restriction	No water from the City water system shall be used to drain and refill swimming pools, artificial lakes, ponds or streams	Yes
4	Other water feature or swimming pool restriction	No new permits for swimming pools, artificial lakes, ponds or streams shall be issued	Yes
4	Water Features - Restrict water use for decorative water features, such as fountains	unless required to maintain existing vegation or to sustain existing fish/animal life	Yes
4	Landscape - Other landscape restriction or prohibition		Yes
4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Or on a lawn	Yes
4	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Within 24 hours of notification	Yes
5	Landscape - Prohibit all landscape irrigation		Yes
5	Other	Flushing of sewer or fire hydrants is prohibited	Yes
5	Other	Flushing of fire protection systems is prohibited	Yes
5	Water Features - Restrict water use for decorative water features, such as fountains	Water Use for ornamental pons and foutains is prohibited	Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water		Yes
5	Landscape - Other landscape restriction or prohibition	Installation of any new lawns or landscaping is prohibited	Yes
NOTES: The above listed restrictions and prohibitions on end uses can be found in Capter 12.12 "Water Efficiency" of the Yreka Municipal Code.			

Table 8-3 Retail Only: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods		
Stage	Consumption Reduction Methods by Water Supplier ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	Additional Explanation or Reference *(optional)*
Add additional rows as needed		
NOTES:		

Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	7,515	7,515	7,515
NOTES:			

Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
	☐	☐
County Name *Drop Down List*	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Siskiyou County	☑	☑

APPENDIX E

SB X7-7 TABLES

SB X7-7 Table 0: Units of Measure Used in UWMP* *(select one from the drop down list)*
Acre Feet
**The unit of measure must be consistent with Table 2-3*
NOTES:

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	**Parameter**	**Value**	**Units**
10- to 15-year baseline period	2008 total water deliveries	2,677	Acre Feet
	2008 total volume of delivered recycled water	-	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period[1, 2]	10	Years
	Year beginning baseline period range	1999	
	Year ending baseline period range[3]	2008	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range[4]	2007	

[1] If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.

[2] The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.

[3] The ending year must be between December 31, 2004 and December 31, 2010.

[4] The ending year must be between December 31, 2007 and December 31, 2010.

NOTES:

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
☑	**1. Department of Finance** (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
☐	**2. Persons-per-Connection Method**
☐	**3. DWR Population Tool**
☐	**4. Other** DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: Service Area Population		
Year		**Population**
10 to 15 Year Baseline Population		
Year 1	1999	7,296
Year 2	2000	7,290
Year 3	2001	7,311
Year 4	2002	7,332
Year 5	2003	7,450
Year 6	2004	7,484
Year 7	2005	7,482
Year 8	2006	7,448
Year 9	2007	7,542
Year 10	2008	7,687
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	7,450
Year 2	2004	7,484
Year 3	2005	7,482
Year 4	2006	7,448
Year 5	2007	7,542
2015 Compliance Year Population		
2015		7,832
NOTES:		

SB X7-7 Table 4: Annual Gross Water Use *								
Baseline Year *Fm SB X7-7 Table 3*		**Volume Into Distribution System** *This column will remain blank until SB X7-7 Table 4-A is completed.*	**Deductions**					**Annual Gross Water Use**
			Exported Water	**Change in Dist. System Storage** (+/-)	**Indirect Recycled Water** *This column will remain blank until SB X7-7 Table 4-B is completed.*	**Water Delivered for Agricultural Use**	**Process Water** *This column will remain blank until SB X7-7 Table 4-D is completed.*	
10 to 15 Year Baseline - Gross Water Use								
Year 1	1999	2,593	-	-	-	-	-	2,593
Year 2	2000	2,522	-	-	-	-	-	2,522
Year 3	2001	2,642	-	-	-	-	-	2,642
Year 4	2002	2,691	-	-	-	-	-	2,691
Year 5	2003	2,694	-	-	-	-	-	2,694
Year 6	2004	2,863	-	-	-	-	-	2,863
Year 7	2005	2,597	-	-	-	-	-	2,597
Year 8	2006	2,785	-	-	-	-	-	2,785
Year 9	2007	2,604	-	-	-	-	-	2,604
Year 10	2008	2,677	-	-	-	-	-	2,677
Year 11	0	-	-	-	-	-	-	-
Year 12	0	-	-	-	-	-	-	-
Year 13	0	-	-	-	-	-	-	-
Year 14	0	-	-	-	-	-	-	-
Year 15	0	-	-	-	-	-	-	-
10 - 15 year baseline average gross water use								**2,667**
5 Year Baseline - Gross Water Use								
Year 1	2003	2,694	-	-	-	-	-	2,694
Year 2	2004	2,863	-	-	-	-	-	2,863
Year 3	2005	2,597	-	-	-	-	-	2,597
Year 4	2006	2,785	-	-	-	-	-	2,785
Year 5	2007	2,604	-	-	-	-	-	2,604
5 year baseline average gross water use								**2,709**
2015 Compliance Year - Gross Water Use								
2015		1,972	-	-	-	-	-	**1,972**
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								
NOTES:								

SB X7-7 Table 4-A: Volume Entering the Distribution System(s) Complete one table for each source.				
Name of Source	Fall Creek			
This water source is:				
☑	The supplier's own water source			
☐	A purchased or imported source			
Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment ** Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1999	2,593	-	2,593
Year 2	2000	2,522	-	2,522
Year 3	2001	2,642	-	2,642
Year 4	2002	2,691	-	2,691
Year 5	2003	2,694	-	2,694
Year 6	2004	2,863	-	2,863
Year 7	2005	2,597	-	2,597
Year 8	2006	2,785	-	2,785
Year 9	2007	2,604	-	2,604
Year 10	2008	2,677	-	2,677
Year 11	0	-	-	-
Year 12	0	-	-	-
Year 13	0	-	-	-
Year 14	0	-	-	-
Year 15	0	-	-	-
5 Year Baseline - Water into Distribution System				
Year 1	2003	2,694	-	2,694
Year 2	2004	2,863	-	2,863
Year 3	2005	2,597	-	2,597
Year 4	2006	2,785	-	2,785
Year 5	2007	2,604	-	2,604
2015 Compliance Year - Water into Distribution System				
2015		1,972	-	1,972
** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*				
NOTES:				

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Annual Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1999	7,296	2,593	317
Year 2	2000	7,290	2,522	309
Year 3	2001	7,311	2,642	323
Year 4	2002	7,332	2,691	328
Year 5	2003	7,450	2,694	323
Year 6	2004	7,484	2,863	342
Year 7	2005	7,482	2,597	310
Year 8	2006	7,448	2,785	334
Year 9	2007	7,542	2,604	308
Year 10	2008	7,687	2,677	311
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				**320**
5 Year Baseline GPCD				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use
Year 1	2003	7,450	2,694	323
Year 2	2004	7,484	2,863	342
Year 3	2005	7,482	2,597	310
Year 4	2006	7,448	2,785	334
Year 5	2007	7,542	2,604	308
5 Year Average Baseline GPCD				**323**
2015 Compliance Year GPCD				
2015		7,832	1,972	**225**
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	320
5 Year Baseline GPCD	323
2015 Compliance Year GPCD	225
NOTES:	

SB X7-7 Table 7: 2020 Target Method *Select Only One*		
Target Method		Supporting Documentation
☑	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D *Contact DWR for these tables*
☐	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator
NOTES:		

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	**2020 Target GPCD**
320	**256**
NOTES:	

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD *From SB X7-7 Table 5*	Maximum 2020 Target[1]	Calculated 2020 Target[2]	**Confirmed 2020 Target**
323	307	256	**256**
[1] Maximum 2020 Target is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 GPCD. *[2] 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.*			
NOTES:			

SB X7-7 Table 8: 2015 Interim Target GPCD		
Confirmed 2020 Target *Fm SB X7-7 Table 7-F*	10-15 year Baseline GPCD *Fm SB X7-7 Table 5*	**2015 Interim Target GPCD**
256	320	**288**
NOTES:		

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments *(in GPCD)*			TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD *(Adjusted if applicable)*	**Did Supplier Achieve Targeted Reduction for 2015?**
		Enter "0" if Adjustment Not Used						
		Extraordinary Events	Weather Normalization	Economic Adjustment				
225	288	*From Methodology 8 (Optional)*	*From Methodology 8 (Optional)*	*From Methodology 8 (Optional)*	-	225	225	**YES**
NOTES:								

APPENDIX F

DWR CHECKLIST

Appendix F

UWMP Checklist

This checklist is developed directly from the Urban Water Management Planning Act and SB X7-7. It is provided to support water suppliers during preparation of their UWMPs. Two versions of the UWMP Checklist are provided – the first one is organized according to the California Water Code and the second checklist according to subject matter. The two checklists contain duplicate information and the water supplier should use whichever checklist is more convenient. In the event that information or recommendations in these tables are inconsistent with, conflict with, or omit the requirements of the Act or applicable laws, the Act or other laws shall prevail.

Each water supplier submitting an UWMP can also provide DWR with the UWMP location of the required element by completing the last column of eitherchecklist. This will support DWR in its review of these UWMPs. The completed form can be included with the UWMP.

If an item does not pertain to a water supplier, then state the UWMP requirement and note that it does not apply to the agency. For example, if a water supplier does not use groundwater as a water supply source, then there should be a statement in the UWMP that groundwater is not a water supply source.

Checklist Arranged by Water Code Section

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location *(Optional Column for Agency Use)*
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 and App E	
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	
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	
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	

10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of	System Supplies	Section 6.2.4	

	groundwater pumped by the urban water supplier for the past five years			
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use	System Supplies	Section 2.5.1	

	projections from that source.			
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of	System Supplies (Recycled Water)	Section 6.5.2	

	wastewater collected and treated and the methods of wastewater disposal.			
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5.5	
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	
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	
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	

	about the plan.			
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	

Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location *(Optional Column for Agency Use)*
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	
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	
10642	Provide supporting documentation that the water supplier has encouraged active	Plan Preparation	Section 2.5.2	

	involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.			
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 and App E	
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	
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	Baselines and Targets	Section 5.1	

	water use reductions.			
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.4	
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	
10631(j)	Wholesale suppliers will include	System Supplies	Section 2.5.1	

	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.			
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5.5	
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	
10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that	Water Supply Reliability Assessment	Section 7.1	

	source.			
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	
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in	Demand Management	Sections 9.1 and 9.3	

	code, their distribution system asset management program, and supplier assistance program.	Measures		
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	

10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	

APPENDIX G

WATER RIGHTS

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

AMENDED PERMIT FOR DIVERSION AND USE OF WATER

APPLICATION 22551 PERMIT 15379

Permittee: City of Yreka
701 Fourth Street
Yreka, CA 96097

Therefore, an amended permit on **Application 22551** filed on **August 12, 1966** has been approved by the State Water Board SUBJECT TO PRIOR RIGHTS and to the limitations and conditions of this amended permit.

Permittee is hereby authorized to divert and use water as follows:

1. Source of water

Source:	Tributary to:
(1) Unnamed Stream	**Fall Creek thence Klamath River**
(2) Fall Creek	**Klamath River**

within the County of **Siskiyou**.

2. Location of points of diversion

By California Coordinate System of 1983 in Zone 1	40-acre subdivision of public land survey or projection thereof	Section (Projected)*	Township	Range	Base and Meridian
(1) North 2,606,815 feet and East 6,463,303 feet	**SW ¼ of NW ¼**	**30**	**48N**	**4W**	**MD**
(2) North 2,606,933 feet and East 6,462,972 feet	**SE ¼ of NE ¼**	**25**	**48N**	**5W**	**MD**

Location of point of rediversion

By California Coordinate System of 1983 in Zone 1	40-acre subdivision of public land survey or projection thereof	Section (Projected)*	Township	Range	Base and Meridian
(1) North 2,606,815 feet and East 6,463,303 feet	**SW ¼ of NW ¼**	**30**	**48N**	**4W**	**MD**

3. Purpose of use	4. Place of use					
	40-acre subdivision of public land survey or projection thereof	Section (Projected)*	Township	Range	Base and Meridian	Acres
Municipal, Domestic and Industrial	**Within the City of Yreka service area boundary which is a gross 5,490 acres within Sections 7, 18 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, and 35, T45N, R7W, MDB&M; and Sections 3 and 4, T44N, R7W, MDB&M; as shown on map dated March 2012.**					

The place of use is shown on map filed with the State Water Board.

5. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed **15 cubic feet per second** to be diverted from **January 1 to December 31** of each year. The maximum amount diverted under this permit shall not exceed **6,300 acre-feet per year**.

(0000005A)

6. Construction work and complete application of the water to the authorized use shall be prosecuted with reasonable diligence and completed by **December 31, 2022**.

(0000009)

7. This permit shall not be construed as conferring upon the Permittee right of access to the points of diversion.

(0000022)

8. Permittee shall comply with the following provisions which are derived from the agreement between permittee and the Department of Fish and Game executed on January 9, 1967 and filed with the State Water Board:

   1. Permittee shall, during the diversion period, bypass a minimum flow of 15.0 cubic feet per second or the natural flow of the stream whenever it is less than 15.0 cubic feet per second to maintain fish life. Such a flow shall be measured by a gage presently maintained by the Pacific Power and Light Company which is located downstream from the proposed point of diversion.

   2. For the protection, propagation and preservation of fish life, permittee shall not divert water in any manner that will interfere with or diminish the flow release schedule to be made below Iron Gate Dam on the Klamath River, as provided for in License 9457 (Application 17527).

   3. A velocity barrier to prevent upstream migration by fish will be constructed in conjunction with the diversion dam proposed by the permittee immediately below the Fall Creek powerhouse in conformance with functional plans to be provided by the Department of Fish and Game. For the preservation of wildlife, particularly black-tailed deer, the permittee shall construct facilities, approved by the Department of Fish and Game, at the diversion intake to prevent wildlife loss.

   Inclusion in this permit of certain provisions of the referenced agreement shall not be construed as disapproval of other provisions of the agreement or as affecting the enforceability, as between the parties, of such other provisions insofar as they are not inconsistent with the terms of this permit.

(0000024)

9. Permittee shall consult with the Division of Water Rights and, within one year from the date of this permit, shall submit to the State Water Board its Urban Water Management Plan as prepared and adopted in conformance with section 10610, et seq. of the California Water Code, supplemented by any additional information that may be required by the Board.

All cost-effective measures identified in the Urban Water Management Plan and any supplements thereto shall be implemented in accordance with the schedule for implementation found therein.

(0000029A)

10. If it is determined after permit issuance that the as-built conditions of the project are not correctly represented by the map(s) prepared to accompany the application, permittee shall, at his expense have the subject map(s) updated or replaced with equivalent as-built map(s). Said revision(s) or new map(s) shall be prepared by a civil engineer or land surveyor registered or licensed in the State of California and shall meet the requirements prescribed in section 715 and sections 717 through 723 of the California Code of Regulations, Title 23. Said revision(s) or map(s) shall be furnished upon request of the Deputy Director for Water Rights.

(0000030)

11. No water shall be diverted under this permit unless the flow in Fall Creek is at or above 15.0 cubic feet per second, as measured at the Gauging Station on Fall Creek.

(0140060)

12. Permittee shall install a device, satisfactory to the State Water Board, which is capable of measuring the bypass flows required by the conditions of this permit. Said measuring device shall be properly maintained.

(0060062B)

13. No water shall be diverted under this permit unless, within six months of the date of this permit, Permittee is monitoring the bypass flow required by this permit in accordance with a compliance plan, satisfactory to the Deputy Director for Water Rights. Permittee shall submit a report on bypass flow compliance activities in accordance with the schedule contained in the compliance plan.

(0000070)

14. No water shall be directly diverted under this permit unless Permittee is monitoring and reporting said diversion of water. This monitoring shall be conducted using devices and methods satisfactory to the Deputy Director for Water Rights. The devices shall be capable of monitoring of the rate and quantity of water diverted and shall be properly maintained.

Right holder shall provide the Division of Water Rights with evidence that the devices have been installed with the first annual report submitted after device installation. Right holder shall provide the Division of Water Rights with evidence that substantiates that the devices are functioning properly every five years after device installation as an enclosure to the current annual report or whenever requested by the Division of Water Rights.

Right holder shall maintain a record of all diversions under this right that includes the date, time, rate of diversion, and the amount of water diverted. The records shall be submitted with the annual report or whenever requested by the Division of Water Rights.

(000000R)

THIS PERMIT IS ALSO SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

A. The amount authorized for appropriation may be reduced in the license if investigation warrants.
(0000006)

B. Progress reports shall be submitted promptly by permittee when requested by the State Water Board until a license is issued.
(0000010)

C. Permittee shall allow representatives of the State Water Board and other parties, as may be authorized from time to time by the State Water Board, reasonable access to project works to determine compliance with the terms of this permit.
(0000011)

D. Pursuant to California Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest; and is necessary to preserve or restore the uses protected by the public trust.
(0000012)

E. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Board if, after notice to the permittee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the State Water Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.
(0000013)

F. This permit does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this water right, the permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit.

(0000014)

G. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water Code section 1605.

(0000015)

H. No work shall commence and no water shall be diverted, stored or used under this permit until a copy of a stream or lake alteration agreement between the Department of Fish and Game and the permittee is filed with the Division of Water Rights. Compliance with the terms and conditions of the agreement is the responsibility of the permittee. If a stream or lake agreement is not necessary for this permitted project, the permittee shall provide the Division of Water Rights a copy of a waiver signed by the Department of Fish and Game.

(0000063)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY:

Barbara Evoy, Deputy Director
Division of Water Rights

Dated: SEPT 12 2012

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

In the Matter of License 6037, License 9850 and Permit 15379
(Applications 16392, 18186 and 22551)

CITY OF YREKA

ORDER CORRECTING WATER RIGHTS

SOURCE: Greenhorn Creek tributary to Yreka Creek thence the Shasta River
Yreka Creek tributary to the Shasta River
Fall Creek tributary to the Klamath River

COUNTY: Siskiyou

WHEREAS:

1. On September 10, 2012 and September 12, 2012, the State Water Resources Control Board (State Water Board), Division of Water Rights (Division) issued amended water rights for License 6037 (Application 16392), License 9850 (Application 18186) and Permit 15379 (Application 22551) of the City of Yreka (right holder).

2. On November 9, 2012, the Division received a request from the right holder to correct errors in the place of use description for License 6037, License 9850 and Permit 15379.

3. The State Water Board may amend or modify a decision or order to correct any obvious typographical or clerical error or oversight without the necessity of notice and a hearing thereon. (Wat. Code, § 1124.)

4. Pursuant to Resolution 2012-0029, the State Water Board has delegated the authority to administer the State Water Board's water rights program. By memorandum dated July 6, 2012, the Deputy Director for Water Rights has redelegated this authority.

NOW, THEREFORE, IT IS ORDERED THAT:

1. The authorized place of use for License 6037, License 9850 and Permit 15379 is corrected to read as follows:

   Within the City of Yreka service area boundary which is a gross 5,490 acres within Sections 7, 18 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34 and 35, T45N, R7W, MDB&M; and Sections 3 and 4, T44N, R7W, MDB&M; as shown on map dated March 2012 filed with the State Water Board.

STATE WATER RESOURCES CONTROL BOARD
ORIGINAL SIGNED BY:
AMANDA MONTGOMERY (FOR)

Barbara Evoy, Deputy Director
Division of Water Rights

Dated: JAN 19 2016

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

ORDER WR 2012-0013-EXEC

In the Matter of Permit 15379 (Application 22551)
City of Yreka

ORDER APPROVING PETITION FOR EXTENSION OF TIME AND CORRECTING THE PERMIT

SOURCE: Fall Creek, Unnamed Stream tributary to Fall Creek

COUNTY: Siskiyou

BY THE BOARD:

1. The State Water Resources Control Board (State Water Board), Division of Water Rights (Division) issued Permit 15379 to the City of Yreka (Permittee) on May 17, 1967, pursuant to Application 22551.

2. The permit required that construction work be completed by December 1, 1970, and that the water be applied to the authorized use by December 1, 1971.

3. Permittee requested, and on June 14, 1974 the Division granted, an extension of time to commence or complete construction work or apply the water to full beneficial use. The time extension order required construction to be complete and that water be fully used by December 1, 1984.

4. Permittee requested, and on June 4, 1985 the Division granted, an extension of time to commence or complete construction work or apply the water to full beneficial use. The time extension order required construction to be complete and that water be fully used by December 1, 1994.

5. Permittee requested, and on October 31, 1996 the Division granted, an extension of time to commence or complete construction work or apply the water to full beneficial use. The time extension order required construction to be complete and that water be fully used by December 31, 2005.

6. On January 5, 2006, Permittee filed a petition for an extension of time within which to commence or complete construction work or apply water to beneficial use. The Permittee has paid all required petition fees since the petition was filed.

7. Public notice of the request for an extension of time was issued on December 7, 2007 and no protests were received.

8. The State Water Board may grant an extension of time within which to commence or complete construction work or apply water to beneficial use upon a showing of good cause. (Wat. Code, § 1398.) Permittee must show that (1) due diligence has been exercised; (2) failure to comply with previous time requirements has been occasioned by obstacles which could not be reasonably avoided; and (3) satisfactory progress will be made if an extension of time is granted. Lack of finances, occupation with other work, physical disability, and other conditions incident to the person and not to the enterprise will not generally be accepted as good cause for delay.

9. Permittee has shown that due diligence has been exercised. By letter dated December 29, 2005, Permittee's Agent offers a detailed explanation as to how the City has diligently developed its diversion works and infrastructure to meet the steadily growing population of the City since Permit 15379 was first issued.

10. Permittee has shown that failure to comply with previous time requirements has been occasioned by obstacles that could not be reasonably avoided. By letter dated December 29, 2005, Permittee's Agent explains that the Permittee's "population has grown slowly since the 1990s due to a decline in the timber industry and the lack of any replacement industry to date." This lack of a robust population growth is primarily caused by economic factors outside the control of the Permittee. Nevertheless, the population has grown from 7,181 in 1990 to 7,765 in 2010, which is an 8% increase in population, and growth is projected to increase more rapidly over the next ten years.

11. Permittee has shown that satisfactory progress will be made if a time extension is granted. The current version of the Permittee's General Plan is valid through 2022. By letter dated December 29, 2005, Permittee's Agent states that, by 2022, the City's population is projected to grow to between 8,400 and 10,500. This represents an increase of between 8 and 35% over the 2010 Census population figure of 7,765.

12. Permittee has shown good cause for the time extension.

13. On August 5, 2010, the Division issued an order approving a petition for change in place of use and amending Permit 15379 (Application 22551). The Division has determined that the amended permit did not cover all the changes in District facilities. A correction to the point of diversion and a new place of use map was necessary. The corrections are incorporated in the attached amended permit.

14. On May 3, 2012, the City of Yreka adopted a Negative Declaration (SCH No. 2012032053) for the project in order to comply with CEQA. The State Water Board has considered the environmental document and any proposed changes incorporated into the project or required as a condition of approval to avoid significant effects to the environment. The State Water Board will file a Notice of Determination within five days from the issuance of this order.

15. A term has been added to require measurement of water diverted under the permit to comply with Water Code section 1605.

NOW, THEREFORE, IT IS ORDERED THAT THE STATE WATER BOARD HEREBY APPROVES THE PETITION FOR EXTENSION OF TIME. THE ATTACHED AMENDED PERMIT, WHICH INCORPORATES THE TIME EXTENSION, IS ISSUED.

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY:

Thomas M. Howard
Executive Director

Dated: SEPT 06 2012

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

In the Matter of Permit 15379 (Application 22551)

Town of Yreka City

ORDER APPROVING CHANGE IN PLACE OF USE AND ISSUING AMENDED PERMIT

SOURCE: Fall Creek

COUNTY: Siskiyou

WHEREAS:

1. Permit 15379 was issued to Town of Yreka City (Permittee) on May 17, 1967, pursuant to Application 22551.

2. A petition to change the place of use was filed with the State Water Resources Control Board (State Water Board) on December 29, 2005 and amended on December 13, 2007.

3. Public notice of the change was issued on December 7, 2007. No protests were received. The December 13, 2007 amendment was accompanied by an engineered map which clarified the place of use. The amendment did not result in the need for additional notice. .

4. The State Water Board has determined that the petition for change does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water. The State Water Board has also determined that good cause for such change has been shown.

5. Environmental review began on December 29, 2005. On November 3, 2006, Permittee filed a Notice of Exemption (NOE) with the Siskiyou County Clerk. The NOE states that the petition for change seeks to update the place of use described in the existing water right permit to reflect existing uses. Additional connections may be made on an emergency basis to residences outside of the City, but only to existing structures pursuant to the terms of section 12.04.242 of the Yreka Municipal Code. Such emergency connections would themselves be categorically exempt pursuant to California Environmental Quality Act (CEQA) Guidelines sections 15303 and 15311. The NOE also states that this is an administrative change to an existing permit; therefore, the petition will not have any physical impact on the environment. The petition will not facilitate any future growth within the City that has not already been fully analyzed in the City's Final Environmental Impact Report for the Comprehensive General Plan Update, Zoning Ordinance Update and Sign Ordinance Update (SCH # 2002032122) (December 2003). Therefore, the petition has no growth-inducing impacts. The NOE states that the project is categorically exempt based on an Existing Facilities Exemption, pursuant to Title 14, Public Resources Code, section 15301, Class 1; section 15303 – New Construction or Conversion of Small Structures (Class 3), and section 15311 - Accessory Structures (Class 11). The NOE also states that the project is

statutorily exempt pursuant to section 15261 – Ongoing project exemption. In addition, the project is exempt under section 15061(b)(3).

The State Water Board will issue an NOE based on section 15301.

a. The project will not cause significant adverse impacts on any sensitive environment and will not result in significant cumulative impacts.

b. There will be negligible or no expansion of uses beyond those existing prior to the start of the Lead Agency's environmental review and the project does not involve an expansion in use beyond that which existed at the time the Lead Agency began its environmental review.

In addition to any obligation the State Water Board may have under CEQA, the Board has an independent obligation to consider the effect of the proposed project on public trust resources and to protect those resources where feasible. (***National Audubon Society v. Superior Court*** (1983) 33 Cal.3d 419 [189 Cal.Rptr. 346].) There is no evidence that approval of the change petition to continue service to existing residences or provide service on an emergency basis to residences outside of the City, but only to existing structures, will have any adverse impacts on public trust resources.

6. A term has been added to require measurement of water diverted under the permit to comply with Water Code section 1605.

7. The State Water Board has delegated the authority to act on change petitions to the Deputy Director for Water Rights (Deputy Director) pursuant to Resolution No. 2007-0057. (Resolution No. 2007-0057, section 4.2.4) Resolution No. 2007-0057 authorizes the Deputy Director to redelegate this authority to the Assistant Deputy Director for Water Rights. This authority has been so redelegated.

8. Pursuant to Resolution No. 2007-0057, the State Water Board has delegated authority to the Deputy Director to administer the duties required under the California Environmental Quality Act (CEQA). (Resolution No. 2007-0057, section 4.10.) Resolution No. 2007-0057 authorizes the Deputy Director to redelegate this authority to the Assistant Deputy Director for Water Rights. This authority has been so redelegated.

NOW, THEREFORE, IT IS ORDERED THAT THE CHANGE PETITION IS APPROVED AND PERMIT 15379 IS AMENDED TO READ AS FOLLOWS:

1. The place of use is amended as follows:

Within the City of Yreka (Town of Yreka City) service area boundary within Sections 7 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 21, 22, 23, 24, 26, 27, 28, 33, 34, and 35, T45N, R7W, MDB&M and within Sections 3 and 4, T44N, R7W, MDB&M as shown on map dated October 30, 2007 filed with the State Water Board.

2. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water Code section 1605.

(0000015)

3. All other conditions of Permit 15379 are still applicable.

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY

Victoria A. Whitney
Deputy Director for Water Rights

Dated: **August 5, 2010**

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

AMENDED PERMIT 15379

Application 22551 of Town of Yreka City
701 Fourth Street
Yreka, CA 96097

filed on **August 12, 1966**, has been approved by the State Water Resources Control Board (State Water Board) SUBJECT TO PRIOR RIGHTS and to the limitations and conditions of this permit.

Permittee is hereby authorized to divert and use water as follows:

1. Source of water

Source:	Tributary to:
Fall Creek	**Klamath River**

within the County of Siskiyou

2. Location of point of diversion

By California Coordinate System of 1983 in Zone 1	40-acre subdivision of public land survey or projection thereof	Section (Projected)*	Township	Range	Base and Meridian
North 2,605,884 feet and East 6,463,111 feet	**SW¼ of NW¼**	**30**	**48N**	**4W**	**MD**

3. Purpose of use	4. Place of use	Section (Projected)*	Township	Range	Base and Meridian	Acres
Municipal, Domestic and Industrial	Within the City of Yreka (Town of Yreka City) service area boundary within Sections 7 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 21, 22, 23, 24, 26, 27, 28, 33, 34, and 35, T45N, R7W, MDB&M and within Sections 3 and 4, T44N, R7W, MDB&M as shown on map.					

The place of use is shown on map dated October 30, 2007 filed with the State Water Board.

5. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed **15.0** cubic feet per second to be diverted from **January 1** to **December 31** of each year. The maximum amount diverted under this permit shall not exceed 6,300 acre-feet per year.

(0000005A)

6. Construction work and complete application of the water to the authorized use shall be prosecuted with reasonable diligence and completed by December 31, 2005.

(0000009)

7. This permit is subject to the protest dismissal terms as set forth in the Department of Fish and Game's protest dated December 2, 1966, and as agreed to by Resolution No. 880, adopted January 5, 1967, by the Council of the Town of Yreka City and placed on file with the State Water Board.

(0140400)

ALL PERMITS ISSUED BY THE STATE WATER RESOURCES CONTROL BOARD ARE SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

A. The amount authorized for appropriation may be reduced in the license if investigation warrants.

(0000006)

B. Progress reports shall be submitted promptly by permittee when requested by the State Water Board until a license is issued.

(0000010)

C. Permittee shall allow representatives of the State Water Board and other parties, as may be authorized from time to time by said State Water Board, reasonable access to project works to determine compliance with the terms of this permit.

(0000011)

D. Pursuant to California Water Code sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest; and is necessary to preserve or restore the uses protected by the public trust.

(0000012)

E. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Board if, after notice to the permittee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the State Water Board

finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.

(0000013)

F. This permit does not authorize any act that results in the taking of a threatened or endangered species or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050 - 2097) or the federal Endangered Species Act (16 U.S.C.A. §§ 1531 - 1544). If a "take" will result from any act authorized under this water right, the permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit.

(0000014)

G. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water Code Section 1605.

(0000015)

H. No work shall commence and no water shall be diverted, stored or used under this permit until a copy of a stream or lake alteration agreement between the State Department of Fish and Game and the permittee is filed with the Division of Water Rights. Compliance with the terms and conditions of the agreement is the responsibility of the permittee. If a stream or lake agreement is not necessary for this permitted project, the permittee shall provide the Division of Water Rights a copy of a waiver signed by the State Department of Fish and Game.

(0000063)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the

State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY

Victoria A. Whitney
Deputy Director for Water Rights

Dated: August 5, 2010

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

ORDER

Application 22551 Permit 15379 License ____

ORDER APPROVING CHANGES TO PLACE OF USE, ADDING AN ENDANGERED SPECIES TERM, AND AMENDING THE PERMIT

WHEREAS:

1. Permit 15379 was issued to the City of Yreka (Town of Yreka City) on April 17, 1967 pursuant to Application 22551.

2. A petition to change Place of Use has been filed with the State Water Resources Control Board (SWRCB) on May 12, 1997 and the SRWCB has determined that good cause for such change has been shown.

3. The SWRCB has determined that the petition for change does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.

4. Permit condition pertaining to continuing authority of the State Water Resources Control Board should be updated to conform to Section 780 (a), Title 23 of the California Code of Regulations.

5. Fish or wildlife species have been or may be listed under the federal Endangered Species Act and/or the California Endangered Species Act.

NOW, THEREFORE, IT IS ORDERED THAT:

1. A description of the land or place where water is put to beneficial use is as follows:

   The City of Yreka (Town of Yreka City) service area boundary which is a gross 5,490 acres. The place of use is within Sections 7 and 18, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 21, 22, 23, 26, 27, 28, 33, 34, 35, T45N, R7W, MDB&M and within Sections 3 and 4, T44N, R7W, MDB&M and shown a map filed with the State Water Resources Control Board on March 4, 1998.

2. A continuing authority condition shall be updated and read as follows:

   Pursuant to California Water Code Sections 100 and 275, and the common law public trust, all rights and privileges under this license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permit may be required to implement a water conservation plan, features of which may include but not necessarily be limited to (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest; and is necessary to preserve or restore the uses protected by the public trust.

(0000012)

3. The addition of an endangered species condition to read as follows:

This permit does not authorize any act which results in the taking of a threaten or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "taking" will result from any act authorized under this water right, the permittee shall obtain an incidental take permit prior to construction or operation. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this license. (0000014)

Dated: JANUARY 8 1999

Harry Schueller, Chief
Division of Water Rights

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

ORDER

Application 22551 Permit 15379 License _____

ORDER APPROVING A NEW DEVELOPMENT SCHEDULE

WHEREAS:

1. Permit 15379 was issued to the town of Yreka City on May 17, 1967 pursuant to Application 22551.

2. A petition for an extension of time within which to develop the project and apply the water to the proposed use has been filed with the State Water Resources Control Board.

3. The permittee has proceeded with diligence and good cause has been shown for said extension of time.

NOW, THEREFORE, IT IS ORDERED THAT:

1. Condition 9 of the permit be amended to read:

COMPLETE APPLICATION OF THE WATER TO THE PROPOSED USE SHALL BE MADE ON OR BEFORE	December 31, 2005	(0000009)

Dated OCTOBER 31 1996

for Roger Johnson

Edward C. Anton, Chief
Division of Water Rights

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

ORDER

APPLICATION 22551 PERMIT 15379 LICENSE

ORDER APPROVING A NEW DEVELOPMENT SCHEDULE AND AMENDING THE PERMIT

WHEREAS:

1. A petition for extension of time within which to develop the project and apply the water to the proposed use has been filed with the State Water Resources Control Board.

2. The permittee has proceeded with diligence and good cause has been shown for extension of time.

NOW, THEREFORE, IT IS ORDERED THAT:

1. Paragraph 9 of the permit is amended to read as follows:

   COMPLETE APPLICATION OF THE WATER TO THE PROPOSED USE SHALL BE MADE ON OR BEFORE December 1, 1994

2. Paragraph 11 of this permit is deleted. A new Paragraph 11 is added as follows:

   Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

   The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will

be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation. The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

3. Paragraph 14 is added to this permit as follows:

Permittee shall consult with the Division of Water Rights and the Department of Water Resources and develop and implement a water conservation plan or actions. The proposed plan or actions shall be presented to the Board for approval within one year from the date of this order or such further time as may, for good cause shown, be allowed by the Board. A progress report on the development of a water conservation plan may be required by the Board within this period.

Dated: JUNE 4 1985

Raymond Walsh

Raymond Walsh, Chief
Division of Water Rights

STATE OF CALIFORNIA—THE RESOURCES AGENCY

RONALD REAGAN, Governor

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS
ROOM 1015, RESOURCES BUILDING
1416 NINTH STREET • SACRAMENTO 95814

ORDER APPROVING A NEW DEVELOPMENT SCHEDULE AND AMENDING PERMIT

PERMIT 15379 APPLICATION 22551

WHEREAS:

1. A PETITION FOR EXTENSION OF TIME WITHIN WHICH TO DEVELOP THE PROJECT AND APPLY THE WATER TO THE PROPOSED USE HAS BEEN FILED WITH THE STATE WATER RESOURCES CONTROL BOARD.

2. IT APPEARS THAT THE PERMITTEE HAS PROCEEDED WITH DILIGENCE AND THAT GOOD CAUSE HAS BEEN SHOWN FOR EXTENSION OF TIME.

3. THE STATE WATER RESOURCES CONTROL BOARD HAS DULY AUTHORIZED THE CHIEF, DIVISION OF WATER RIGHTS TO SIGN THIS ORDER.

NOW, THEREFORE, IT IS ORDERED THAT:

1. A NEW DEVELOPMENT SCHEDULE BE, AND IS HEREBY, APPROVED AS FOLLOWS:

APPLICATION OF THE WATER TO THE PROPOSED USE SHALL BE COMPLETED ON OR BEFORE DECEMBER 1, 1984

2. THE TOTAL ANNUAL DIVERSION AND USE ALLOWED UNDER SAID PERMIT 15379 BE LIMITED TO 6,300 ACRE-FEET.

3. PARAGRAPH 11 OF THE PERMIT BE AMENDED TO READ AS FOLLOWS: ALL RIGHTS AND PRIVILEGES UNDER THIS PERMIT AND UNDER ANY LICENSE ISSUED PURSUANT THERETO, INCLUDING METHOD OF DIVERSION, METHOD OF USE, AND QUANTITY OF WATER DIVERTED, ARE SUBJECT TO THE CONTINUING AUTHORITY OF THE STATE WATER RESOURCES CONTROL BOARD IN ACCORDANCE WITH LAW AND IN THE INTEREST OF THE PUBLIC WELFARE TO PREVENT WASTE, UNREASONABLE USE, UNREASONABLE METHOD OF USE, OR UNREASONABLE METHOD OF DIVERSION OF SAID WATER.

THIS CONTINUING AUTHORITY OF THE BOARD MAY BE EXERCISED BY IMPOSING SPECIFIC REQUIREMENTS OVER AND ABOVE THOSE CONTAINED IN THIS PERMIT WITH A VIEW TO MINIMIZING WASTE OF WATER AND TO MEETING THE REASONABLE WATER REQUIREMENTS OF PERMITTEE WITHOUT UNREASONABLE DRAFT ON THE SOURCE. PERMITTEE MAY BE REQUIRED TO IMPLEMENT SUCH PROGRAMS AS (1) REUSING OR RECLAIMING THE WATER ALLOCATED; (2) RESTRICTING DIVERSIONS SO AS TO ELIMINATE AGRICULTURAL TAILWATER OR TO

REDUCE RETURN FLOW; (3) SUPPRESSING EVAPORATION LOSSES FROM WATER SURFACES; (4) CONTROLLING PHREATOPHYTIC GROWTH; AND (5) INSTALLING, MAINTAINING, AND OPERATING EFFICIENT WATER MEASURING DEVICES TO ASSURE COMPLIANCE WITH THE QUANTITY LIMITATIONS OF THIS PERMIT AND TO DETERMINE ACCURATELY WATER USE AS AGAINST REASONABLE WATER REQUIREMENTS FOR THE AUTHORIZED PROJECT. NO ACTION WILL BE TAKEN PURSUANT TO THIS PARAGRAPH UNLESS THE BOARD DETERMINES, AFTER NOTICE TO AFFECTED PARTIES AND OPPORTUNITY FOR HEARING, THAT SUCH SPECIFIC REQUIREMENTS ARE PHYSICALLY AND FINANCIALLY FEASIBLE AND ARE APPROPRIATE TO THE PARTICULAR SITUATION.

4. THE QUANTITY OF WATER DIVERTED UNDER THIS PERMIT AND UNDER ANY LICENSE ISSUED PURSUANT THERETO IS SUBJECT TO MODIFICATION BY THE STATE WATER RESOURCES CONTROL BOARD, IF, AFTER NOTICE TO THE PERMITTEE AND AN OPPORTUNITY FOR HEARING, THE BOARD FINDS THAT SUCH MODIFICATION IS NECESSARY TO MEET WATER QUALITY OBJECTIVES IN WATER QUALITY CONTROL PLANS WHICH HAVE BEEN OR HEREAFTER MAY BE ESTABLISHED OR MODIFIED PURSUANT TO DIVISION 7 OF THE WATER CODE. NO ACTION WILL BE TAKEN PURSUANT TO THIS PARAGRAPH UNLESS THE BOARD FINDS THAT (1) ADEQUATE WASTE DISCHARGE REQUIREMENTS HAVE BEEN PRESCRIBED AND ARE IN EFFECT WITH RESPECT TO ALL WASTE DISCHARGES WHICH HAVE ANY SUBSTANTIAL EFFECT UPON WATER QUALITY IN THE AREA INVOLVED, AND (2) THE WATER QUALITY OBJECTIVES CANNOT BE ACHIEVED SOLELY THROUGH THE CONTROL OF WASTE DISCHARGES.

DATED: JUN 14 1974

R. L. Rosenberger

R. L. ROSENBERGER, ACTING CHIEF
DIVISION OF WATER RIGHTS

STATE OF CALIFORNIA

THE RESOURCES AGENCY

STATE WATER RIGHTS BOARD

PERMIT FOR DIVERSION AND USE OF WATER

PERMIT NO. 15379

Application 22551 of Town of Yreka City

120 North Main Street, Yreka, California 96097

filed on August 12, 1966, has been approved by the State Water Rights Board SUBJECT TO VESTED RIGHTS and to the limitations and conditions of this Permit.

Permittee is hereby authorized to divert and use water as follows:

1. Name of source(s):	Tributary to:
(a) Fall Creek	(a) Klamath River
(b)	(b)
(c)	(c)
(d)	(d)
(e)	(e)

2. Location of point(s) of diversion:

Bearing and distance or coordinate distances from section corner or quarter-section corner	40-acre subdivision of public land survey or projection thereof	Section	Township	Range	Base and Meridian
(a) S 5°26' E 2,525' from NW corner Sec. 30	SW ¼ of NW ¼	30	48N	4W	MD
(b)	¼ of ¼				
(c)	¼ of ¼				
(d)	¼ of ¼				
(e)	¼ of ¼				

County of Siskiyou

3. Place of use: Sections 14, 15, 21, 22, 23, 26, 27, 28, 33, and 34; T45N, R7W, MDB&M, as shown on map filed with the State Water Rights Board.

4. Purpose(s) of use: Municipal, domestic, and industrial

5. The water appropriated shall be limited to the quantity which can be beneficially used, and shall not exceed 15 cubic feet per second by direct diversion to be diverted from January 1 to December 31 of each year.

6. The maximum quantity herein stated may be reduced in the license if investigation warrants.

7. Actual construction work shall begin on or before June 1, 1968, and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked.

8. Said construction work shall be completed on or before December 1, 1970.

9. Complete application of the water to the proposed use shall be made on or before December 1, 1971.

10. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Water Rights Board until license is issued.

11. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

12. Permittee shall allow representatives of the State Water Rights Board and other parties, as may be authorized from time to time by said Board, reasonable access to project works to determine compliance with the terms of this permit.

13. This permit is subject to the protest dismissal terms as set forth in the Department of Fish and Game's protest dated December 2, 1966, and as agreed to by Resolution No. 880, adopted January 5, 1967, by the Council of the Town of Yreka City and placed on file with the State Water Rights Board.

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dated: MAY 17 1967

STATE WATER RIGHTS BOARD

L. K. Hill

L. K. Hill
Executive Officer

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

Amended License for Diversion and Use of Water

APPLICATION 18186 PERMIT 11696 LICENSE 9850

THIS IS TO CERTIFY, That

City of Yreka
701 Fourth Street
Yreka, CA 96097

has the right to the use of the waters of **Greenhorn Creek** in **Siskiyou County**

tributary to **Yreka Creek thence Shasta River thence Klamath River**

for the purpose of **Municipal, Industrial and Recreational uses**.

The Deputy Director for Water Rights finds that: (a) the change will not operate to the injury of any lawful user of water; (b) good cause has been shown for the change; (c) the petition does not constitute the initiation of a new right; and (d) the State Water Resources Control Board (State Water Board) has made the required findings pursuant to the California Environmental Quality Act (CEQA) or the project is exempt from CEQA.

Additionally, the State Water Board has complied with its independent obligation to consider the effect of the proposed project on public trust resources and to protect those resources where feasible. (*National Audubon Society v. Superior Court* (1983) 33 Cal.3d 419 [189 Cal.Rptr. 346], 658 P.2d 709.)

This amended license is being issued in accordance with the redelegations of authority (Resolution No 2007-0057). Therefore, this amended license on **Application 18186** filed on **June 17, 1958** has been approved by the State Water Board SUBJECT TO PRIOR RIGHTS and to the limitations and conditions herein.

Amended License 9850 supersedes the license originally issued on **December 22, 1971**, which was perfected in accordance with the laws of California, the Regulations of the State Water Board, or its predecessor, and the terms of **Permit 11696**. The priority of this right dates from **June 17, 1958**. Proof of maximum beneficial use of water under this license was made as of **June 7, 1971** (the date of inspection).

The amount of water to which this right is entitled and hereby confirmed is limited to the amount actually beneficially used for the stated purposes and shall not exceed **two hundred eighty-five (285) acre-feet per annum to be collected from November 1 of each year to May 1 of the succeeding year. The maximum withdrawal in any one year shall not exceed 285 acre-feet.**

This license does not authorize collection of water to storage outside of the specified season to offset evaporation and seepage losses or for any other purpose.

The capacity of the reservoir covered by this license shall not exceed 285 acre-feet.

THE POINT OF DIVERSION OF SUCH WATER IS LOCATED:

By California Coordinate System of 1983, Zone 1, North 2,506,983 feet and East 6,383,810 feet, being within NE¼ of NE¼ of Section 33, T45N, R7W, MDB&M.

A DESCRIPTION OF THE LANDS OR THE PLACE WHERE SUCH WATER IS PUT TO BENEFICIAL USE IS AS FOLLOWS:

Municipal use within the City of Yreka service area boundary which is a gross 5,490 acres within Sections 7, 18 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, and 35, T45N, R7W, MDB&M; and Sections 3 and 4, T44N, R7W, MDB&M; and Recreational use at Lower Greenhorn Reservoir within NE¼ of NE¼ of Section 33, T45N, R7W, MDB&M; as shown on map dated March 2012, filed with the State Water Board.

Rights under this license are and shall be subject to existing rights determined by Shasta River Decree No. 7035, Superior Court, Siskiyou County, and such other rights as may presently exist on the stream insofar as said existing and adjudicated rights are maintained.

(0000023)

Licensee shall implement all cost-effective measures identified in the Urban Water Management Plan, supplemented by any additional information required by the State Water Board, in accordance with the schedule for implementation.

(0000029A)

If it is determined after license issuance that the as-built conditions of the project are not correctly represented by the map(s) prepared to accompany the application, the licensee shall, at his expense, have the subject map(s) updated or replaced with equivalent as-built map(s). The revision(s) or new map(s) shall be prepared by a civil engineer or land surveyor registered or licensed in the State of California and shall meet the requirements prescribed in section 715 and sections 717 through 723 of the California Code of Regulations, title 23. The revision(s) or map(s) shall be furnished upon request of the Deputy Director for Water Rights.

(0000030)

Licensee shall maintain in the reservoir a staff gage, satisfactory to the Deputy Director for Water Rights, for the purpose of determining water levels in the reservoir. Licensee shall record the staff gage readings on or about the last day of each month. The readings shall be supplied to the State Water Board with the next Report of Licensee by the licensee.

(0070047)

Licensee shall maintain the existing outlet pipe for Greenhorn Reservoir in proper working order.

(0050800)

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein specified and to the lands or place of use herein described.

Reports shall be filed promptly by the licensee on the appropriate forms which will be provided for the purpose from time to time by the State Water Board.

Licensee shall allow representatives of the State Water Board and other parties, as may be authorized from time to time by the State Water Board, reasonable access to project works to determine compliance with the terms of this license.

Pursuant to Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this license, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this license with a view to eliminating waste of water and to meeting the reasonable water requirements of licensee without unreasonable draft on the source. Licensee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this license and to determine accurately water use as against reasonable water requirement for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the licensee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution article X, section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

The quantity of water diverted under this license is subject to modification by the State Water Board if, after notice to the licensee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the State Water Board finds that: (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.

This license does not authorize any act which results in the taking of a threatened or endangered species or candidate species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2089) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this water right, the licensee shall obtain authorization for an incidental take prior to construction or operation of the project. Licensee shall be responsible for meeting all requirements of the state or federal Endangered Species Acts for the project authorized under this license.

If construction or rehabilitation work is required for the diversion works covered by this license within the bed, channel, or bank of the affected water body, the licensee shall enter into a streambed or lake alteration agreement with the State Department of Fish and Game. Licensee shall submit a copy of the agreement, or waiver thereof, to the Division of Water Rights prior to commencement of work. Compliance with the terms and conditions of the agreement is the responsibility of the licensee.

This license is granted and the licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the State Water Board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article (of the Water Code) and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefore shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY
KATHERINE MROWKA, ACTING MANAGER FOR:

Barbara Evoy, Deputy Director
Division of Water Rights

Dated: SEP 10 2012

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

In the Matter of License 6037, License 9850 and Permit 15379
(Applications 16392, 18186 and 22551)

CITY OF YREKA

ORDER CORRECTING WATER RIGHTS

SOURCE: Greenhorn Creek tributary to Yreka Creek thence the Shasta River
Yreka Creek tributary to the Shasta River
Fall Creek tributary to the Klamath River

COUNTY: Siskiyou

WHEREAS:

1. On September 10, 2012 and September 12, 2012, the State Water Resources Control Board (State Water Board), Division of Water Rights (Division) issued amended water rights for License 6037 (Application 16392), License 9850 (Application 18186) and Permit 15379 (Application 22551) of the City of Yreka (right holder).

2. On November 9, 2012, the Division received a request from the right holder to correct errors in the place of use description for License 6037, License 9850 and Permit 15379.

3. The State Water Board may amend or modify a decision or order to correct any obvious typographical or clerical error or oversight without the necessity of notice and a hearing thereon. (Wat. Code, § 1124.)

4. Pursuant to Resolution 2012-0029, the State Water Board has delegated the authority to administer the State Water Board's water rights program. By memorandum dated July 6, 2012, the Deputy Director for Water Rights has redelegated this authority.

NOW, THEREFORE, IT IS ORDERED THAT:

1. The authorized place of use for License 6037, License 9850 and Permit 15379 is corrected to read as follows:

   Within the City of Yreka service area boundary which is a gross 5,490 acres within Sections 7, 18 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34 and 35, T45N, R7W, MDB&M; and Sections 3 and 4, T44N, R7W, MDB&M; as shown on map dated March 2012 filed with the State Water Board.

STATE WATER RESOURCES CONTROL BOARD
ORIGINAL SIGNED BY:
AMANDA MONTGOMERY (FOR)

Barbara Evoy, Deputy Director
Division of Water Rights

Dated: JAN 19 2016

STATE OF CALIFORNIA
THE RESOURCES AGENCY
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

License for Diversion and Use of Water

APPLICATION 18186 PERMIT 11696 LICENSE 9850

THIS IS TO CERTIFY, *That* TOWN OF YREKA CITY
120 NORTH MAIN STREET, YREKA, CALIFORNIA 96097

HAS *made proof as of* JUNE 7, 1971 *(the date of inspection)* *to the satisfaction of the State Water Resources Control Board of a right to the use of the water of* GREENHORN CREEK IN SISKIYOU COUNTY

tributary to YREKA CREEK THENCE SHASTA RIVER THENCE KLAMATH RIVER

for the purpose of STANDBY MUNICIPAL AND RECREATIONAL USES *under Permit* 11696 *of the Board and that the right to the use of this water has been perfected in accordance with the laws of California, the Regulations of the Board and the permit terms; that the priority of this right dates from* JUNE 17, 1958 *and that the amount of water to which this right is entitled and hereby confirmed is limited to the amount actually beneficially used for the stated purposes and shall not exceed* TWO HUNDRED EIGHTY-FIVE (285) ACRE-FEET PER ANNUM, TO BE COLLECTED FROM NOVEMBER 1 OF EACH YEAR TO MAY 1 OF THE SUCCEEDING YEAR. THE MAXIMUM WITHDRAWAL IN ANY ONE YEAR SHALL NOT EXCEED 285 ACRE-FEET.

THE POINT OF DIVERSION OF SUCH WATER IS LOCATED:

SOUTH 1,320 FEET AND WEST 100 FEET FROM NE CORNER OF SECTION 33, T45N, R7W, MDB&M, BEING WITHIN NE1/4 OF NE1/4 OF SAID SECTION 33.

A DESCRIPTION OF LANDS OR THE PLACE WHERE SUCH WATER IS PUT TO BENEFICIAL USE IS AS FOLLOWS:

RECREATIONAL USE AT LOWER GREENHORN RESERVOIR WITHIN NE1/4 OF NE1/4 OF SECTION 33, T45N, R7W, MDB&M AND STANDBY MUNICIPAL USE WITHIN THE CITY'S SERVICE AREA IN SECTIONS 21, 22, 23 AND 27, T45N, R7W, MDB&M, AS SHOWN ON MAP FILED WITH STATE WATER RESOURCES CONTROL BOARD.

RIGHTS UNDER THIS LICENSE ARE AND SHALL BE SUBJECT TO EXISTING RIGHTS DETERMINED BY SHASTA RIVER DECREE NO. 7035, SUPERIOR COURT, SISKIYOU COUNTY, AND SUCH OTHER RIGHTS AS MAY PRESENTLY EXIST ON THE STREAM INSOFAR AS SAID EXISTING AND ADJUDICATED RIGHTS ARE MAINTAINED.

Licensee shall allow representatives of the Board and other parties, as may be authorized from time to time by the Board, reasonable access to project works to determine compliance with the terms of this license.

All rights and privileges under this license including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time to time by the Board.

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein specified and to the lands or place of use herein described.

This license is granted and licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the Board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

Dated: DEC 22 1971

STATE WATER RESOURCES CONTROL BOARD

K. L. Woodward

Chief, Division of Water Rights

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STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

Amended License for Diversion and Use of Water

APPLICATION 16392 PERMIT 10266 LICENSE 6037

THIS IS TO CERTIFY, That City of Yreka
701 Fourth Street
Yreka, CA 96097

has the right to the use of the waters of **Yreka Creek Underflow** in **Siskiyou County**

tributary to **Shasta River thence Klamath River**

for the purposes of **Municipal and Industrial uses**.

The Deputy Director for Water Rights finds that: (a) the change will not operate to the injury of any lawful user of water; (b) good cause has been shown for the change; (c) the petition does not constitute the initiation of a new right; and (d) the State Water Resources Control Board (State Water Board) has made the required findings pursuant to the California Environmental Quality Act (CEQA) or the project is exempt from CEQA.

Additionally, the State Water Board has complied with its independent obligation to consider the effect of the proposed project on public trust resources and to protect those resources where feasible. (*National Audubon Society v. Superior Court* (1983) 33 Cal.3d 419 [189 Cal.Rptr. 346], 658 P.2d 709.)

This amended license is being issued in accordance with the redelegations of authority (Resolution No. 2007-0057). Therefore, this amended license on **Application 16392** filed on **May 24, 1955** has been approved by the State Water Board SUBJECT TO PRIOR RIGHTS and to the limitations and conditions herein.

Amended License 6037 supersedes the license originally issued on **June 6, 1960**, which was perfected in accordance with the laws of California, the Regulations of the State Water Board, or its predecessor, and the terms of **Permit 10266**. The priority of this right dates from **May 24, 1955**. Proof of maximum beneficial use of water under this license was made as of **December 15, 1959** (the date of inspection).

The amount of water to which this right is entitled and hereby confirmed is limited to the amount actually beneficially used for the stated purposes and shall not exceed **one and sixty-eight hundredths (1.68) cubic feet per second to be diverted from January 1 to December 31 of each year. The maximum diverted under this license shall not exceed 1,214 acre-feet per year.**

The equivalent of such continuous flow allowance for any thirty day period may be diverted in a shorter time if there be no interference with other vested rights.

THE POINT OF DIVERSION OF SUCH WATER IS LOCATED:

By California Coordinate System of 1983, Zone 1, North 2,518,083 feet and East 6,389,860 feet, being within NW¼ of NW¼ of Section 23, T45N, R7W, MDB&M.

A DESCRIPTION OF THE LANDS OR THE PLACE WHERE SUCH WATER IS PUT TO BENEFICIAL USE IS AS FOLLOWS:

The City of Yreka service area boundary which is a gross 5,490 acres within Sections 7 and 19, T45N, R6W, MDB&M; Sections 12, 13, 14, 15, 21, 22, 23, 24, 26, 27, 28, 33, 34, and 35, T45N, R7W, MDB&M; and Sections 3 and 4, T44N, R7W, MDB&M; and as shown on map dated March 2012, filed with the State Water Board.

Rights under this license are and shall be subject to existing rights determined by Shasta River Decree No. 7035, Superior Court, Siskiyou County, and such other rights as may presently exist on the stream insofar as said existing and adjudicated rights are maintained.

(0000023)

Licensee shall implement all cost-effective measures identified in the Urban Water Management Plan, supplemented by any additional information required by the State Water Board, in accordance with the schedule for implementation.

(0000029A)

If it is determined after license issuance that the as-built conditions of the project are not correctly represented by the map(s) prepared to accompany the application, the licensee shall, at his expense, have the subject map(s) updated or replaced with equivalent as-built map(s). The revision(s) or new map(s) shall be prepared by a civil engineer or land surveyor registered or licensed in the State of California and shall meet the requirements prescribed in section 715 and sections 717 through 723 of the California Code of Regulations, title 23. The revision(s) or map(s) shall be furnished upon request of the Deputy Director for Water Rights.

(0000030)

Licensee shall install and maintain a device, satisfactory to the Deputy Director for Water Rights, to measure the instantaneous rate of diversion and cumulative amount of water diverted under this license.

A record of such measurements shall be maintained by the licensee, and made available to interested parties upon reasonable request. A copy of the records shall be submitted to the State Water Board with each Report of Licensee.

(0060800)

Diversion of water under this license shall be subject to regulation by the watermaster appointed to enforce the terms of the Shasta River Decree.

(000N001)

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein specified and to the lands or place of use herein described.

Reports shall be filed promptly by the licensee on the appropriate forms which will be provided for the purpose from time to time by the State Water Board.

Licensee shall allow representatives of the State Water Board and other parties, as may be authorized from time to time by the State Water Board, reasonable access to project works to determine compliance with the terms of this license.

Pursuant to Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this license, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this license with a view to eliminating waste of water and to meeting the reasonable water requirements of licensee without unreasonable draft on the source. Licensee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this license and to determine accurately water use as against reasonable water requirement for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the licensee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution article X, section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

The quantity of water diverted under this license is subject to modification by the State Water Board if, after notice to the licensee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the State Water Board finds that: (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.

This license does not authorize any act which results in the taking of a threatened or endangered species or candidate species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2089) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this water right, the licensee shall obtain authorization for an incidental take prior to construction or operation of the project. Licensee shall be responsible for meeting all requirements of the state or federal Endangered Species Acts for the project authorized under this license.

If construction or rehabilitation work is required for the diversion works covered by this license within the bed, channel, or bank of the affected water body, the licensee shall enter into a streambed or lake alteration agreement with the State Department of Fish and Game. Licensee shall submit a copy of the agreement, or waiver thereof, to the Division of Water Rights prior to commencement of work. Compliance with the terms and conditions of the agreement is the responsibility of the licensee.

This license is granted and the licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the State Water Board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article (of the Water Code) and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefore shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY
KATHERINE MROWKA, ACTING MANAGER FOR:

Barbara Evoy, Deputy Director
Division of Water Rights

Dated: SEP 10 2012

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

License for Diversion and Use of Water

APPLICATION 16392 PERMIT 10266 LICENSE 6037

THIS IS TO CERTIFY, *That* Town of Yreka City
120 North Main Street
Yreka, California

has made proof as of December 15, 1959
(the date of inspection) to the satisfaction of the State Water Rights Board of a right to the use of the water of
subsurface flow of Yreka Creek in Siskiyou County
tributary to Shasta River

for the purpose of municipal use
under Permit 10266 *of the State Water Rights Board and that said right to the use of said water has been perfected in accordance with the laws of California, the Rules and Regulations of the State Water Rights Board and the terms of the said permit; that the priority of the right herein confirmed dates from* May 24, 1955
and that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to the amount actually beneficially used for said purposes and shall not exceed one and sixty-eight hundredths (1.68) cubic feet per second to be diverted from January 1 to December 31 of each year.

The equivalent of such continuous flow allowance for any thirty day period may be diverted in a shorter time if there be no interference with other vested rights.

The point of diversion of such water is *located* :

South fifty-nine degrees twenty-five minutes east (S 59° 25' E) seven hundred twenty-eight (728) feet from NW corner of Section 23, T45N, R7W, MDB&M, being within NW¼ of NW¼ of said Section 23.

A description of the lands or the place where such water is put to beneficial use is as follows:

The Town of Yreka City and vicinity being within Sections 22, 23, 27, 28 and 34, T45N, R7W, MDB&M as shown on map filed with State Water Rights Board.

All rights and privileges under this license including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time to time by the State Water Rights Board.

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein specified and to the lands or place of use herein described.

This license is granted and licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

Dated: JUN 6 1960

L. K. Hill
L. K. Hill
Executive Officer

STATE WATER RIGHTS BOARD
STATE OF CALIFORNIA

LICENSE 6037
STATE OF CALIFORNIA
STATE WATER RIGHTS BOARD

LICENSE
TO APPROPRIATE WATER

ISSUED TO Town of Yreka City

DATED JUN 6 1960

6548 10-59 3M Ⓢ SPO

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APPENDIX H

RELEVANT SECTIONS OF DECREE NO. 7035

is entitled to divert from the natural flow of Walters Gulch, through the Walter Lower Ditch,

0.45 CUBIC FOOT PER SECOND--PRIORITY MARCH 1, 1895,

or as much thereof as he directly applies to beneficial use for the purpose hereinafter set forth, during the period between March first and November first of each year; said water to be diverted from said Walters Gulch at a point (designated on Division of Water Rights Map as Diversion 511) which bears approximately N. 32° 30' E., approximately 1960 feet distant from the southwest corner of Sec. 10, T. 44 N., R. 7 W., M.D.B.&M., being within the NW¼ SW¼ of said Sec. 10, and said water to be used for the irrigation of the following described lands:

2.4 acres in the SE¼ NW¼, Sec. 10, T. 44 N., R. 7 W., M.D.B.&M.
20.2 acres in the NE¼ SW¼, Sec. 10, T. 44 N., R. 7 W., M.D.B.&M.
1.6 acres in the NW¼ SW¼, Sec. 10, T. 44 N., R. 7 W., M.D.B.&M.
24.2 acres--Total.

501. THE CITY OF YREKA,

is entitled to divert from the natural flow of Greenhorn Creek, through the Yreka City Pipe Line,

1.00 CUBIC FOOT PER SECOND--PRIORITY MARCH 1, 1869,

or as much thereof as said city applies to beneficial use for the purpose hereinafter set forth, during the period between January first and December thirty-first of each year; said water to be diverted from said Greenhorn Creek at a point (designated on Division of Water Rights Map as Diversion 551) which bears approximately N. 57° 00' E., approximately 3350 feet distant from the southwest corner of Sec. 29, T. 45 N., R. 7 W., M.D.B.&M., being within the NE¼ SW¼ of said Sec. 29, and said water to be used for domestic and municipal purposes within the city of Yreka, Siskiyou County, California.

502. THE CITY OF YREKA,

is entitled to divert from the natural flow of Greenhorn Creek, through the Buckner Ditch,

1.00 CUBIC FOOT PER SECOND--PRIORITY MARCH 1, 1870,

or as much thereof as said city applies to beneficial use for the purposes hereinafter set forth, during the period between January first and December thirty-first of each year; said water to be diverted from said Greenhorn Creek at a point (designated on Division of Water Rights Map as Diversion 558) which bears approximately S. 87° 00' E., approximately 2600 feet distant from the northwest corner of Sec. 33, T. 45 N., R. 7 W., M.D.B.&M., being within the NE¼ NW¼ of said Sec. 33, and said water to be used for domestic and municipal purposes, within the city of Yreka, Siskiyou County, California, and for the irrigation of the following described lands of said city of Yreka,

2.4 acres in the NE¼ NE¼, Sec. 33, T. 45 N., R. 7 W., M.D.B.&M.
1.2 acres in the SE¼ NE¼, Sec. 33, T. 45 N., R. 7 W., M.D.B.&M.
15.0 acres in the SW¼ NW¼, Sec. 34, T. 45 N., R. 7 W., M.D.B.&M.
15.2 acres in the SE¼ NW¼, Sec. 34, T. 45 N., R. 7 W., M.D.B.&M.
1.7 acres in the NE¼ SW¼, Sec. 34, T. 45 N., R. 7 W., M.D.B.&M.
2.7 acres in the NW¼ SW¼, Sec. 34, T. 45 N., R. 7 W., M.D.B.&M.
38.2 acres--Total.

503. THE CITY OF YREKA,

is entitled to divert from the natural flow of Yreka Creek, through the city of Yreka Pumping Plant,

4.00 CUBIC FEET PER SECOND--PRIORITY MARCH 1, 1889,

or as much thereof as said city applies to beneficial use for the purpose hereinafter set forth, during the period between January first and December thirty-first of each year; said water to be diverted from said Yreka Creek at a point (designated on Division of Water Rights Map as Diversion 572A) which bears approximately N. 64° 00' W., approximately 3710 feet distant from the south quarter corner of Sec. 23, T. 45 N., R. 7 W., M.D.B.&M., being within Block 13, city of Yreka, and said water to be used for domestic and municipal purposes within the city of Yreka, Siskiyou County, California.

504. EMMA E. ELLISON,

is entitled to divert from the natural or developed flow of Ellison Tunnel Spring, situated at a point (designated on Division of Water Rights Map as Diversion 142) which bears approximately S. 38° 00' W., approximately 190 feet distant from the northeast corner of Sec. 22, T. 42 N., R. 5 W., M.D.B.&M., being within the NE¼ NE¼ of said Sec. 22, through the Ellison Upper Ditch leading from said spring.

(a) during the period between March first and November first of each year,

0.30 CUBIC FOOT PER SECOND--PRIORITY MARCH 1, 1890,

or as much thereof as she directly applies to beneficial use for domestic and stock watering purposes, and for the irrigation of her lands hereinafter described in this paragraph;

(b) during the period between November first of each year and March first of the succeeding year,

0.15 CUBIC FOOT PER SECOND--PRIORITY MARCH 1, 1890,

or as much thereof as she directly applies to beneficial use for domestic and stock watering purposes;

all of said water to be diverted at said Ellison Tunnel Spring and used upon the following described lands:

54.0 acres in the SE¼, Sec. 15, T. 42 N., R. 5 W., M.D.B.&M.
0.7 acre in the NE¼ NE¼, Sec. 22, T. 42 N., R. 5 W., M.D.B.&M.
54.7 acres--Total.

505. EMMA E. ELLISON,

is entitled to divert from the natural or developed flow of Ellison Lower Spring, situated within the SW¼ SE¼ of Sec. 15, T. 42 N., R. 5 W., M.D.B.&M., through the Ellison Middle Ditch,

(a) during the period between March first and November first of each year,

0.10 CUBIC FOOT PER SECOND--PRIORITY DECEMBER 27, 1890,

or as much thereof as she directly applies to beneficial use for stock watering purposes and for the irrigation of her lands hereinafter described in this paragraph;

(b) during the period between November first of each year and March first of the succeeding year,

0.05 CUBIC FOOT PER SECOND--PRIORITY DECEMBER 27, 1890,

or as much thereof as she directly applies to beneficial use for stock watering purposes;

TABLE 10

Chronologically Arranged Summary of Rights by Appropriation to Use of Waters
of
YREKA CREEK AND TRIBUTARIES
During Irrigation Season

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
1	March 1,1851	F. C. Burton	Burton No. 1	Yreka Creek	0.75	421
2	March 1,1852	John Brazil	Lower Greenhorn	Greenhorn Creek	0.35	419
		Estate of Manuel W. Perry and John T. Perry			1.45	456
		George B. Simmons			0.75	483
3	March 1,1854	Estate of Jesse F. Davis	Jesse F. Davis	Humbug Gulch	0.25	443
4	March 1,1855	F. C. Burton	Burton Ice House No. 2	Yreka Creek	0.15	422
4	March 1,1855	Manuel C. Lawrence	Upper Greenhorn	Greenhorn Creek	2.12	447
		J. Henry Le May			0.71	451
		Anna L. Souza, et al			0.71	492
		George A. Tebbe			0.71	494
4	March 1,1855	M. F. Rose	M. F. Rose Upper	Greenhorn Creek	0.30	470
5	March 1,1856	A. J. Caldwell	Caldwell	Walters Gulch	0.50	433
6	March 1,1858	F. C. Burton	Burton No. 4	Yreka Creek	0.45	424
6	March 1,1858	F. C. Burton	Burton No. 5	Yreka Creek	0.25	425

TABLE 10 (Continued)

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
7	March 1,1860	Estate of Manuel W. Perry and John T. Perry	Perry Middle	Yreka Creek	0.30	458
7	March 1,1860	Estate of Manuel W. Perry and John T. Perry	Perry Lower	Yreka Creek	0.55	459
7	March 1,1860	R. E. Pruett and Boyd M. Pruett	R. H. Pruett	Calpay Gulch	0.25	460
7	March 1,1860	R. E. Pruett and Boyd M. Pruett	Pruett Upper	Walters Gulch	1.00	461
7	March 1,1860	R. E. Pruett and Boyd M. Pruett	Pruett Middle	Walters Gulch	0.35	462
7	March 1,1860	R. E. Pruett and Boyd M. Pruett	Pruett Lower	Walters Gulch	0.30	463
8	March 1,1865	Anna Alves George B. Simmons	Alves and Simmons Ditch or Alves and Simmons Drain	Yreka Creek	0.40 0.40	416 485
8	March 1,1865	Dorothy Schock and Mildred Lotz	Schock Yreka Creek	Yreka Creek	0.25	477
9	March 1,1869	George B. Simmons	Simmons Upper	Yreka Creek	0.25	486
9	March 1,1869	John Solus	Solus Upper East Side	Yreka Creek	0.20	488
9	March 1,1869	City of Yreka	Yreka City Pipe Line	Greenhorn Creek	1.00	501
10	March 1,1870	F. C. Burton	Burton No. 14	Lime Gulch	0.95	432

TABLE 10 (Continued)

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
10	March 1,1870	Estate of Manuel W. Perry and John T. Perry	Perry Upper	Yreka Creek	0.90	457
10	March 1,1870	M. F. Rose	M. F. Rose Tannery Gulch	Tannery Gulch	0.25	471
10	March 1,1870	City of Yreka	Buckner	Greenhorn Creek	1.00	502
11	March 1,1871	John Solus	Solus Middle East Side	Yreka Creek	0.55	489
12	March 1,1875	Tom Cardoza	T. Cardoza Upper	Long Gulch	0.80	436
12	March 1,1875	Tom Cardoza	T. Cardoza Lower	Long Gulch	0.35	438
13	March 1,1876	Antone C. Valin	Valin North Fork Upper and Valin South Fork	North Fork Humbug Gulch South Fork Humbug Gulch	0.35	496
13	March 1,1876	Antone C. Valin	Valin North Fork Lower	North Fork Humbug Gulch	0.65	497
14	March 1,1878	M. F. Rose	M. F. Rose Lower	Greenhorn Creek	0.45	472
15	March 1,1880	M. F. Rose	M. F. Rose No. 3	Unnamed Fk. of Greenhorn Creek	0.10	475
15	March 1,1880	M. F. Rose	M. F. Rose Domestic Pipe Line	Unnamed Spring	0.003	476
16	March 8,1881	F. C. Burton	Burton No. 3	Yreka Creek	0.45	423

TABLE 10 (Continued)

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
17	March 1,1882	John Solus	Solus West Side	Yreka Creek	0.35	491
18	March 1,1884	F. C. Burton	Burton No. 10	Yreka Creek	1.10	429
19	March 1,1885	Jose Fillippe	Fillippe Lower	Canal Gulch	0.25	446
19	March 1,1885	Jos. G. Rose	J. Rose	Greenhorn Creek	0.30	469
19	March 1,1885	George B. Simmons	Simmons Lower	Yreka Creek	0.25	487
20	March 1,1886	M. F. Rose	M. F. Rose No. 2	Unnamed Fork of Greenhorn Creek	0.05	474
21	March 1,1887	Johanna Brazil	A. Brazil Pipe Line	Unnamed Spring	0.025	417
22	March 1,1888	George A. Tebbe	Tebbe Drain	Humbug Gulch	0.10	495
23	March 1,1889	Geo. E. Calkins and Delbert C. Calkins	Upper Greenhorn	Greenhorn Creek	0.45	434
23	March 1,1889	City of Yreka	City of Yreka Pumping Plant	Yreka Creek	4.00	503
24	March 1,1890	Tom Cardoza	T. Cardoza Middle	Long Gulch	0.10	437

TABLE 10 (Continued)

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
24	March 1,1890	Joseph A. Lemos	Joseph A. Lemos Ditch System	Rocky Gulch	0.55	453
24	March 1,1890	Sarah Nunes	Nunes Greenhorn Creek	Greenhorn Creek	0.25	454
24	March 1,1890	Sarah Nunes	Nunes Milk Gulch	Milk Gulch	0.25	455
24	March 1,1890	M. F. Rose	M. F. Rose No. 1	Unnamed Fork of Greenhorn Creek	0.10	473
24	March 1,1890	John Solus	Solus Lower East Side	Yreka Creek	0.40	490
25	March 1,1893	Joe A. Leal	Leal Drain	Unnamed Gulch	0.25	448
25	March 1,1893	Joe A. Leal	Leal Ditch System	Unnamed Spring and Gulch	0.25	449
26	March 1,1895	F. G. and M. G. Rose	Rose Brothers Lower	Greenhorn Creek	0.25	468
26	March 1,1895	M. F. Rose	M. F. Rose Upper	Greenhorn Creek	0.10	470
26	March 1,1895	Antone C. Valin	Valin Domestic Pipe Line	Valin Springs	0.025	498
26	March 1,1895	George Walter	Walter Upper	Walters Gulch	0.70	499
26	March 1,1895	George Walter	Walter Lower	Walters Gulch	0.45	500
27	March 1,1900	Howard Brown	Brown	Greenhorn Creek	0.30	420

TABLE 10 (Continued)

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
27	March 1,1900	F. C. Burton	Burton No. 13	Lime Gulch	0.70	429
28	March 1,1901	Charles R. Raymond, et al.	Raymond	Yreka Creek	0.30	464
29	March 1,1904	Churchill Company	Underground Drain and Churchill Pumping Plant	Yreka Creek	0.25	442
29	March 1,1904	Alden J. Steele	Steele	Yreka Creek	0.35	493
30	March 1,1905	John P. Cardoza	J. Cardoza Domestic Pipe Line	Unnamed Spring	0.025	435
30	March 1,1905	F. G. and M. G. Rose	J. Rose	Greenhorn Creek	0.10	466
31	March 1,1907	Matt Castro	Lower Greenhorn	Greenhorn Creek	0.35	440
31	March 1,1907	Manuel S. Simas	Simas Domestic Pipe Line	Unnamed Spring	0.025	432
32	March 1,1909	Charles R. Raymond, et al.	Raymond Well and Pump	Well adjacent to Yreka Creek	0.10	465
33	March 1,1910	F. C. Burton	Burton No. 8	Canan Gulch	0.13*	425
33	March 1,1910	F. C. Burton	Burton No. 6	Canan Gulch	0.03	426
33	March 1,1910	F. C. Burton	Burton No. 7	Canan Gulch	0.075	427
34	March 1,1911	F. C. Burton	Burton No. 9	Yreka Creek	0.15	423

TABLE 10 (Continued)

Order	Priority	Owner	Ditch	Source	Amount Cubic Feet per Second	Sub-paragraph of Paragraph III of Decree
35	March 1,1912	F. C. Burton	Burton No. 11	Yreka Creek	0.20	430
35	March 1,1912	Tom Cardoza	T. Cardoza	Canal Gulch	0.20	439
36	March 1,1913	F. C. Burton	Burton No. 12	Lime Gulch	0.20	431
36	March 1,1913	F. G. and M. G. Rose	Rose Brothers Upper	Bob Rice Ravine	0.10	467
				TOTAL	36.008	

* Alternate supply in lieu of water from Yreka Creek.

APPENDIX I

CUWCC BMP Retail Coverage Report 2014

Foundational Best Managemant Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK

273 City of Yreka

1. Conservation Coordinator provided with necessary resources to implement BMPs?

Name: Vickie Driver

Title: Water Efficiency Coordiantor

Email: watereff@ci.yreka.ca.us

2. Water Waste Prevention Documents

WW Document Name	WWP File Name	WW Prevention URL	WW Prevention Ordinance Terms Description
Option A Describe the ordinances or terms of service adopted by your agency to meet the water waste prevention requirements of this BMP.			The City of Yreka's existing water waste prohibition authority is contained in City Code Section 12.04.290.
Option B Describe any water waste prevention ordinances or requirements adopted by your local jurisdiction or regulatory agencies within your service area.			
Option C Describe any documentation of support for legislation or regulations that prohibit water waste.			
Option D Describe your agency efforts to cooperate with other entities in the adoption or enforcement of local requirements consistent with this BMP.			
Option E Describe your agency support positions with respect to adoption of legislation or regulations that are consistent with this BMP.			
Option F Describe your agency efforts to support local ordinances that establish permits requirements for water efficient design in new development.			

At Least As effective As No

Exemption No

Comments:

CUWCC BMP Retail Coverage Report 2014

Foundational Best Managemant Practices for Urban Water Efficiency

BMP 1.1 Operation Practices **ON TRACK**

CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.2 Water Loss Control **NOT ON TRACK**

273 City of Yreka

Completed Standard Water Audit Using AWWA Software?	Yes
AWWA File provided to CUWCC?	Yes
Copy1_of_Copy_of_AWWA_Free_Water_Audit_Software_v4_1_-_2014.xls	
AWWA Water Audit Validity Score?	70
Complete Training in AWWA Audit Method	No
Complete Training in Component Analysis Process?	No
Component Analysis?	No
Repaired all leaks and breaks to the extent cost effective?	Yes
Locate and Repar unreported leaks to the extent cost effective?	No
Maintain a record keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.	Yes

Provided 7 Types of Water Loss Control Info

Leaks Repairs	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Of Interventions	Water Saved (AF)

At Least As effective As No

Exemption No

Comments:

CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.3 Metering With Commodity

NOT ON TRACK

273 City of Yreka

Numbered Unmetered Accounts	Yes
Metered Accounts billed by volume of use	Yes
Number of CII Accounts with Mixed Use Meters	497
Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	No
Feasibility Study provided to CUWCC?	No

Date: 1/1/0001

Uploaded file name:

Completed a written plan, policy or program to test, repair and replace meters	No

At Least As effective As No

The 2008 Water Master Plan states that meters will be repaired or replaced on a 15 year cycle or earlier if needed. All unmetered sites were metered as 2014.

Exemption No

Comments:

All meters are read 12 times per year. Institutional accounts are included in Commercial category. Metering of the Community Theater & Center, Fairgrounds, & one commercial site are in progress.

CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.4 Retail Conservation Pricing

NOT ON TRACK

273 City of Yreka

Implementation (Water Rate Structure)

Customer Class	Water Rate Type	Conserving Rate?	(V) Total Revenue Comodity Charges	(M) Total Revenue Fixed Carges
Single-Family	Increasing Block	Yes	534479.62	907160.52
Multi-Family	Increasing Block	Yes	168985.47	167626.2
Commercial	Uniform	Yes	234292.09	319693.27
Industrial	Uniform	Yes	50594.16	28259.88
Institutional	Uniform	Yes	80216.96	55377.12
Dedicated Irrigation	Uniform	Yes	74448.12	36078.76
Other	Uniform	Yes	3882.2	25107.76
			1146898.62	**1539303.51**

Calculate: V / (V + M) **43 %**

Implementation Option: Use Canadian Water Wastewater Association Rate Design Model

☐ Use 3 years average instead of most recent year

Canadian Water and Wastewater Association

Upload file:

Agency Provide Sewer Service: No

Customer Class	Rate Type	Conserving Rate?
Single-Family	Non-Volumetric Flat Rate	No
Multi-Family	Non-Volumetric Flat Rate	No
Commercial	Uniform	Yes
Industrial	Uniform	Yes
Institutional	Non-Volumetric Flat Rate	No

At Least As effective As No

Exemption No

Comments:

Used Option 3

CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

273 **City of Yreka** **Retail**

Does your agency perform Public Outreach programs? Yes

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

The name of agency, contact name and email address if not CUWCC Group 1 members

Did at least one contact take place during each quater of the reporting year? Yes

Public Outreach Program List	Number
Website	1
Newsletter articles on conservation	4
Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets	12
Total	**17**

Did at least one contact take place during each quater of the reporting year? Yes

Number Media Contacts	Number
Television contacts	2
Newspaper contacts	4
Total	**6**

Did at least one website update take place during each quater of the reporting year? No

Public Information Program Annual Budget

Annual Budget Category	Annual Budget Amount
Communication	200
Total Amount:	**200**

Public Outreah Additional Programs
5 Home Surveys
1 Large Landscape Site Visit - school

Description of all other Public Outreach programs

General Information

Comments:

At Least As effective As No

Exemption No 0

CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach **ON TRACK**

CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.2 School Education Programs

NOT ON TRACK

273 City of Yreka **Retail**

Does your agency implement School Education programs? No

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

Materials meet state education framework requirements? No

Materials distributed to K-6? No

Materials distributed to 7-12 students? No (Info Only)

Annual budget for school education program:

Description of all other water supplier education programs

Comments:

All schools have been contacted and all declined participation.

At Least As effective As No

Exemption No 0

CUWCC BMP Coverage Report 2014

273 City of Yreka

Baseline GPCD: 326.22

GPCD in 2014 241.72

GPCD Target for 2018: 267.50

Biennial GPCD Compliance Table

ON TRACK

		Target		Highest Acceptable Bound	
Year	Report	% Base	GPCD	% Base	GPCD
2010	1	96.4%	**314.50**	100%	**326.20**
2012	2	92.8%	**302.70**	96.4%	**314.50**
2014	3	89.2%	**291.00**	92.8%	**302.70**
2016	4	85.6%	**279.20**	89.2%	**291.00**
2018	5	82.0%	**267.50**	82.0%	**267.50**

APPENDIX J

ADOPTED WATER EFFICIENCY ORDINANCE

ORDINANCE NO. 841

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF YREKA REPEALING CHAPTER 12.12 ENTITLED ENACTING "WATER LIMITATIONS" AND SECTIONS 12.04.280 AND 12.04.290 OF THE YREKA MUNICIPAL CODE, AND SUPPLANTING THEM WITH CHAPTER 12.12 ENTITLED "WATER EFFICIENCY" AND FINDING THE ADOPTION OF THIS ORDINANCE TO BE EXEMPT FROM CEQA

SECTION 1. Recitals:

WHEREAS, the City Council of the City of Yreka from time to time adopts Urban Water Management Plans as required by law; and

WHEREAS, the availability of the City of Yreka's source water may be affected by numerous factors including regulatory mandates and surface water diversion curtailments imposed by various agencies such as the State Departments of Water Resources, Water Resources Control Board and the Department of Fish and Wildlife; and

WHEREAS, the City of Yreka's primary source where its water is derived is subject to whether or not that water source has a sufficient amount of water flowing in its channel; and

WHEREAS, water production facilities failures, water distribution infrastructure failures, contamination of supply, or other factors may result in emergency conditions that threaten the water utility's ability to provide for public health and safety; and

WHEREAS, the City has previously enacted Section 11.38.010 of the Yreka Municipal Code adopting California's model Efficient Landscaping Ordinance; and

WHEREAS, the City's present regulations in force do not adequately address all the factors that may limit the water utility's ability to respond to diminished source capacity or emergency conditions; and

WHEREAS, there is a direct nexus between the availability of water supply and the immediate preservation of the public health and safety; and

WHEREAS, on January 17, 2014, Governor Edmund G. Brown Jr. issued Proclamation No. 1-17-2014 declaring a State of Emergency to exist in California due to severe drought conditions; and

WHEREAS, on April 1, 2015, the Governor issued an Executive Order B-29-15 to strengthen the state's ability to manage water and directed the State Water Resources Control Board (SWRCB) under its authority in California Water Code Section 1058.5 to adopt emergency regulations as it deems necessary to address water shortage conditions and to achieve, statewide, a twenty-five percent reduction in potable urban water usage; and

WHEREAS, On May 18, 2015, the state enacted revisions to the California Code of Regulations, Title 23, Sections 863, 864, 865 and 868, emergency regulations finding a drought emergency in California and imposing water conservation measures on individuals and water suppliers; and

WHEREAS, the State Urban Water Supplier Conservation Tiers requires City water users to decrease their water usage by thirty-two (32) percent when compared to the same month in 2013 in order to conserve 218,918,400 gallons of water; and

WHEREAS, California Water Code Sections 350 et seq. authorize water suppliers, after holding a properly noticed public hearing and after making certain findings, to declare a water shortage (emergency) and to adopt such regulations and restrictions to conserve the water supply for the greatest public benefit with particular regard for domestic use, sanitation, and fire protection; and

WHEREAS, the voluntary and mandatory water conservation measures and progressive restrictions on water use and method of use set forth herein provide an effective and immediately available means of conserving water which is essential during periods of water shortage to ensure a reliable and sustainable minimum supply of water for the public health, safety, and welfare and to preserve valuable limited water storage, avoid depleting water storage to an unacceptably low level, and thereby lessen the possibility of experiencing more critical shortages if dry conditions continue or worsen; and

WHEREAS, the usage allotments hereinafter established will equitably spread the burden of restricted and prohibited usage in a manner prescribed by the City's water shortage contingency plan over all City water department customers and other consumers of City water; and

WHEREAS, the purposes of this chapter are to conserve the water supply of the City of Yreka for the greatest public benefit, to mitigate the effects of a water supply shortage on public

health and safety and economic activity, and to budget water use so that a reliable and sustainable minimum supply of water will be available for the most essential purposes for the entire duration of the water shortage.

SECTION 2. Repeal:

Chapter 12.12 (Water Limitations) and Sections 12.04.280 and 12.04.290, inclusive of the Yreka Municipal Code are hereby repealed in their entirety, provided, however, that such repeal shall not affect or excuse any violation thereof occurring prior to the effective date of this ordinance.

SECTION 3. Reenactment:

BE IT ORDAINED by the City Council of the City of Yreka a new Chapter 12.12 is hereby added to the Yreka Municipal Code to read as follows:

12.12.10. Findings: The Yreka City Council finds and determines as follows:

A. The above recitals are true and correct and are incorporated herein as if set forth in full and are relied upon independently by the City Council for its adoption of this ordinance.

B. Article X, Section 2 of the California Constitution declares that waters of the State are to be put to a beneficial use, that waste, unreasonable use, or unreasonable method of use of water be prevented, and that water be conserved for the public welfare.

C. California Water Code Section 350 authorizes water suppliers to find and determine the existence of an emergency caused by drought or other threatened or existing water shortage. A water shortage emergency does exist and the City of Yreka hereby declares the existence of caused by drought or other threatened or existing water shortage; and

D. California Water Code Section 375 authorizes water suppliers to adopt and enforce a comprehensive water conservation program to reduce water consumption and conserve supplies.

E. California Water Code Section 356 allows for the adoption of regulations and restrictions that include discontinuance of service as an enforcement option where a water shortage emergency condition has been declared.

F. California Water Code Section 370 et. seq., authorizes water suppliers to adopt water allocation programs for water users and allocation-based conservation water conservation pricing.

G. California Water Code Section 375 et seq., authorizes public water suppliers to establish by Ordinance, the maximum levels of water to be used by customers under emergency supply conditions and declaring that the customer's excess usage, to be a violation of the Ordinance.

H. State regulations and Executive Orders require conservation of current water supplies and minimization of the effects of water supply shortages that are the result of drought are essential to the public health, safety and welfare.

I. That the adoption of this Ordinance, for the purpose of addressing water shortages and allocation of supplies, is exempt from the requirements of the California Environmental Quality Act ("CEQA") pursuant to Sections 15307, 15308 and 15269(c) of the State CEQA Guidelines since this ordinance is necessary to prevent or mitigate the emergency water shortages that have been declared by the State and as declared by the City herein and to assure maintenance and protection of a natural resource and the environment during. The adoption of this ordinance will result in the maintenance and protection of water resources, and will not result in cumulative adverse environmental impacts. Further, the Governor's Executive Order B-29-15 dated April 1, 2015 regarding the Statewide State of Emergency due to severe drought conditions suspends the requirements of CEQA in order to implement the requirements of that Executive Order. The City Council directs City staff to file a Notice of Exemption within five (5) days following adoption of this Ordinance with the Siskiyou County Clerk.

J. The City of Yreka hereby finds, determines and declares that a statewide water shortage emergency exists, under the authority of Executive Order B-29-15; California Code of Regulations, Title 23, Sections 863, 864, 865 and 868; the State's mandate that all urban water suppliers implement water waste control measures; Article X, Section 2 of the California Constitution; as well as State Urban Water Supplier Conservation Tiers requiring City water users to decrease their water usage by thirty-two (32) percent; pursuant to its authority under Water Code Section 350 and that water conservation measures and restriction on the use of water are necessary to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the City of Yreka hereby adopts the following regulations and restrictions on the delivery and consumption of water; and

K. Under the authority of Executive Order B-29-15; California Code of Regulations, Title 23, Sections 863, 864, 865 and 868; the State's mandate that all urban water suppliers implement water waste control measures; as well as State Urban Water Supplier Conservation Tiers requiring City water users to decrease their water usage by thirty-two (32) percent; and pursuant to its authority under Water Code Section 350, 356 and 375, that the City of Yreka, based on the findings set forth herein, does hereby prohibit the wastage of water and does hereby order

that the water conservation measures and water use restrictions are necessary and appropriate to prevent the waste of water and to protect the health and safety of water users.

L. This Ordinance is intended to further the conservation of potable water. It is not intended to implement any provision of federal, state or local statutes, ordinances or regulations relating to protection of water quality or control of drainage or runoff. Refer to the local jurisdiction or Regional Water Quality Control Board for information on storm water ordinances or management plans.

M. This Ordinance is intended to establish a water conservation and landscape guidelines that will reduce water consumption within the City through conservation, enable effective water supply planning, assure reasonable and beneficial use of water, prevent waste of water, and maximize the efficient use of water within the City to avoid and minimize the effect and hardship of water shortage to the greatest extent possible.

12.12.20 Application

The provisions of this ordinance shall apply to all Persons, Customers, and property utilizing potable water provided by the City, within or outside the City and within the City's service area and regardless of whether any water user shall have a contract for water service with the City.

12.12.30 Precedence of Ordinance provisions

Where other provisions of the municipal code, whether enacted prior or subsequent to this chapter, are inconsistent with the provisions of this chapter, the provisions of this chapter shall supersede and control.

12.12.40 Definitions

A. The following words and phrases whenever used in this chapter have the meaning defined in this section:

1. "Best Management Practices" (BMP) means a policy, program, practice, rule, regulation ordinance or the use of devices, equipment or facilities that result in more efficient use or conservation of water.

2. "Certified landscape irrigation auditor" means a person certified to perform landscape irrigation audits by a professional trade organization or other educational organization.

3. "CDPH" means the California Department of Public Health.

4. "City" means the City of Yreka, California.

5. "City Manager" means the City Manager of the City of Yreka or his or her designee unless otherwise stated or indicated by context.

6. "City Water System" means those facilities within and without the City of Yreka that the City uses to deliver water as the water purveyor recognized by the California Department of Public Health.

7. "Customer" means any person or entity using water supplied by the City water system. "Customer" includes tenants of single-family dwellings or duplexes, owners of real property and management companies responsible for property management of real property.

8. "CUWCC" means the California Urban Water Conservation Council.

9. "Department" means the City of Yreka Department of Public Works.

10. "Director" means the City of Yreka Director of Public Works or his or her designee unless otherwise stated or indicated by context.

11. "Discontinued service" means having the water service turned off by the department.

12. "Fire Chief" means the Fire Chief of the City of Yreka or designee unless otherwise stated or indicated by context.

13. "Non-residential Customer" means any property being served by City water where no residence exists.

14. “Park” or “Public Park” means City owned land that is maintained for community recreation purposes.

15. "Person" includes individuals, persons, corporations, partnerships, associations, public or private entities, governmental agencies, institutions, Indian Tribes, their organizations and entities, and all other legal entities.

16. "Private Fire Service" means a private fire service main and appurtenances installed on private property and maintained by the property owner for the explicit intent of

providing fire flows either through fire hydrants, fire sprinkler systems, or other water-based fire protection systems.

17. “Public Ground” means any City owned land.

18. "Residential Customer" means a customer of the City water system on whose property, whether owned or rented, and at least one person resides.

19. “SWRCB” means the California State Water Resources Control Board.

20. “Water Budget” means the adopted dollar amount in the City’s budget allocated for irrigating Public Ground or public parks.

21. "Water Conservation" means the best management practices for the reasonable and efficient use of water for both indoor and outdoor water demands.

22. "Water Conservation Program Guidelines" means the program guidelines developed, maintained, and managed by the Director pursuant to this chapter.

23. "Water Division Manager" means the Water Division Manager in the Department of Public Works.

24. "Wasteful Use of Water" is as defined in Section 12.12.70.

12.12.50 City Responsibility

The City shall have the right to manage water demand within the City's water service area.

12.12.60 Water Conservation Program and Landscape Guidelines

A. The Director shall oversee this chapter's implementation, compliance with the CUWCC best management practices and any laws mandating water conservation.

B. The Director is authorized to develop sustainable landscape practices consistent with the water conservation intent of this chapter. The Director shall, from time to time, but at least annually, review the sustainable landscape practices and determine if such practices are reasonable and achieve the level of conservation required under this chapter for the declared water conservation stage, taking into account the burden imposed on property owners.

12.12.70 Wasteful Use of Water

The following water conservation requirements are effective at all times and are permanent. Violations of this section constitutes water waste and an unreasonable use of water:

A. Water flowing away from a property caused by excessive application(s) of water beyond reasonable or practical irrigation rates, duration of application, or other than incidental applications to impervious surfaces or any sidewalk, walkway, driveway, street, alley, gutter or ditch.

B. Causing or permitting an amount of water to discharge, flow, run to waste into or flood any gutter, sanitary sewer, water course or storm drain, or to any adjacent lot, from any tap, hose, faucet, pipe, sprinkler, or nozzle. In the case of irrigation, "discharge," "flow" or "run to waste" means that water is applied to the point that the earth intended to be irrigated has been saturated with water so that additional applied water then flows over the earth. In the case of washing, "discharge," "flow" or "run to waste" means that water in excess of that necessary is applied to wash, wet or clean the dirty or dusty object, such as an automobile, sidewalk, or parking area.

C. Allowing water fixtures or heating or cooling devices to leak or discharge water.

D. Maintaining ponds, waterways, decorative basins or swimming pools that does not use water recirculation devices or with known leaks, both seen and unseen, unless a waiver has been obtained.

E. Discharging water from, and refilling, swimming pools, decorative basins or ponds in excess of the frequency reasonably necessary to maintain the health, maintenance or structural considerations of the pool, basin or pond, as determined in the Director's sole discretion.

F. Continued operation of an irrigation system that is in disrepair.

G. Use of a water hose not equipped with a control nozzle capable of completely shutting off the flow of water except when positive pressure is applied.

H. Irrigation of lawns or landscaping during periods of measurable rainfall.

I. Overfilling of any pond, pool or fountain that results in water discharging from the pond, pool or fountain.

J. Failure to repair a controllable leak within five working days of the defect's commencement, unless the Director informs the Customer that the leak must be repaired more quickly, in which case the Customer shall repair the leak in the time specified by the Director.

K. Excepting evaporative cooling systems, any installation of (new) single-pass cooling system(s), such as water-cooled air compressors, in buildings requesting new water service.

L. Causing or permitting the flow of City supplied water to run into any river, creek or other natural watercourse or drain, superficial or underground channel, or into any sanitary or storm sewer, any street, road or highway, or upon the lands of another person or upon public lands except as necessary for the proper operation of the public water supply system.

M. Any new automatic car wash or new commercial laundry system shall be designed and constructed in accordance with the then current best management practices for water conservation.

N. Whenever the Governor or any agency designated by the Legislature of the State of California, law or regulation reduces or suspends water diversion or imposes water conservations standards. These State imposed restrictions are generally imposed for a limited duration of time and shall expire as set forth in the State's regulations. Each of these regulations shall be adopted by resolution of the City Council and, when they are in effect, will be available for public inspection on the City's website.

12.12.80 Determination of Water Conservation Stages

The Yreka City Council hereby delegates to the Director, or if no Director to the City Manager or his/her designee, the authority to determine the City Water System's water conservation stage. To arrive at that determination, the Director may consider whether that system's water supplies available for potable use are sufficient to meet the current customer demands on that system, unless otherwise excluded by this section, other relevant factors. The Director is directed to consider, among other things: (A) any variations in the reliability of the water supplies available to the City water system; (B) any variations in historic water demand (C) availability of non-potable water to meet non-potable demands on the City water system; (D) the success, or lack thereof, of previous declarations of a less stringent water conservation stage in causing the water-use reductions sought by the City; and (E) any agreements between the City and local water rights holders for deliveries of additional water supplies to the City. The Director will select the necessary stage for conservation under Section 12.12.90.

The Director's water conservation stage determination will take effect on the tenth (10) day after the date that a new or different Water Conservation Stage is declared. Within five (5) days following the declaration of the shortage phase, the City shall publish a copy of the resolution in a newspaper used for publication of official notices. As a courtesy to Customers, whenever the Director establishes a new or different water conservation stage determination, it may also provide notice of the determination by including it in the regular billing statement or by any other mailing to the address to which the City customarily mails the billing statement for fees or charges for on-going water service.

12.12.90 Water Conservation Stages

The Director is authorized to implement and enforce whatever conservation measures are deemed by the Director to be expedient to achieve the water reduction requirements of the declared conservation stage. For each stage, the water use reduction for customers shall be as follows:

A. Stage one (basic stage) shall be in effect year-round, without notice or publication as specified in section 12.12.80, and are independent of any calculation of the system's safe operating capacity, shortage, or abundance of supply. The voluntary elimination of water wasteful acts is considered to be the most basic, common sense approach to reducing waste of water resources. Residents of the City of Yreka are asked to always be mindful of the value of all natural resources.

B. Stage two (water alert) shall achieve a reduction of up to ten percent relative to the projected demand.

C. Stage three (water warning) shall achieve a reduction of up to twenty percent relative to the projected demand.

D. Stage four (water crisis) shall achieve a reduction of up to thirty-five percent relative to the projected demand.

E. Stage five (water emergency) shall achieve a reduction of up to fifty percent relative to the projected demand, or any other reduction the City Manager determines, in writing, is necessary to protect public health and safety in the City during the actual situation presented by a stage five water emergency.

12.12.100 Water Use Restrictions

Water use restrictions during the various efficiency stages shall, at a minimum, be as listed below and may be augmented by other restrictions as determined necessary by the City Manager.

A. During the stage one (basic stage) efficiency stage, the following restrictions shall be enforced:

1. Water will be used for beneficial uses; all wasteful use of water is prohibited.

2. Water shall be confined to the customer's property and shall not be allowed to run off to adjoining property or to the roadside ditch or gutter. Care shall be taken not to water past the point of saturation.

3. The use of a free flowing hose is prohibited for vehicle and equipment washing, ponds, evaporative coolers and livestock watering troughs. A free flowing hose with a sprinkler apparatus may be used for landscape irrigation. Automatic shut-off devices, including sprinkler timers, are recommended for use on any hose or filling apparatus in use.

4. All pools, spas and ornamental fountains/ponds shall be equipped with a recirculation pump and shall be constructed to be leak proof. Pool draining and refilling shall be allowed only to the extent required for health, maintenance, or structural considerations, and must otherwise comply with all applicable federal, state and local stormwater management requirements.

5. The City will encourage customers to irrigate landscapes and pastures a maximum of three days per week based on the following odd-even schedule, with the exception of drip irrigation, which may be conducted on any day.

a. The City will encourage customers with street addresses that end with an odd number to irrigate only on Tuesdays, Thursdays and Saturdays.

b. The City will encourage customers with street addresses that end with an even number may irrigate only on Wednesdays, Fridays and Sundays.

c. The City will encourage customers to not irrigate on Mondays.

6. The City recommends that landscape and pasture irrigation during the months of April through September occur only between the hours of 8:00 pm and 8:00 am.

B. During the stage two (water alert) efficiency stage, the following restrictions shall be enforced:

1. All stage one (basic stage) restrictions shall continue to be enforced, except to the extent they are replaced by more restrictive requirements imposed by this section.

2. Landscape and pasture irrigation shall be limited to a maximum of three days per week based on the following odd-even schedule, with the exception of drip irrigation, which may be conducted on any day.

a. Customers with street addresses that end with an odd number may irrigate only on Tuesdays, Thursdays and Saturdays.

b. Customers with street addresses that end with an even number may irrigate only on Wednesdays, Fridays and Sundays.

c. No irrigation is permitted on Mondays.

3. If the City establishes, and the Director approves, a Water Budget for a City park or other public ground, irrigation of the City park or public ground shall only be allowed according to the Water Budget, which shall not exceed a total quantity equal to the landscape area (in acres) multiplied by an application volume per acre equal to 70% of reference evapotranspiration.

4. Hand and manual watering follows the same odd/even day schedule and may be done anytime during the day.

5. The City recommends that landscape and pasture irrigation, as well as hand and manual watering, during the months of April through September occur only between the hours of 8:00 pm and 8:00 am.

6. Washing of streets, parking lots, driveways, sidewalks, buildings or other hardscape surfaces is prohibited, except as necessary for health, sanitation or fire protection purposes.

7. Public and private streetscape landscaping (medians and frontage) may be watered only on the same schedule as customers with street addresses that end with an even number.

C. During the stage three (water warning) efficiency stage, the following restrictions shall be enforced:

1. All stage one and two restrictions shall continue to be enforced, except to the extent they are replaced by more restrictive requirements imposed by this section.

2. Landscape and pasture irrigation shall be limited to a maximum of two days per week based on the following odd-even schedule, with the exception of drip irrigation, which may be conducted on any day.

a. Customers with street addresses that end with an odd number may irrigate only on Tuesdays and Saturdays.

b. Customers with street addresses that end with an even number may irrigate only on Wednesdays and Sundays.

c. No irrigation is permitted on Mondays, Thursdays and Fridays.

3. If the City establishes, and the Director approves, a Water Budget for a City park or other public ground, irrigation of the City park or public ground shall only be allowed according to the Water Budget, which shall not exceed a total quantity equal to the landscape area (in acres) multiplied by an application volume per acre equal to 60% of reference evapotranspiration.

4. No potable water from the City water system shall be used for construction purposes such as dust control, compaction, or trench jetting, unless the use is approved by the Director.

D. During the stage four (water crisis) efficiency stage, the following restrictions shall be enforced:

1. All stage one, two, and three restrictions shall continue to be enforced, except to the extent they are replaced by more restrictive requirements imposed by this section.

2. Landscape and pasture irrigation, including drip irrigation, shall be limited to a maximum of one day per week based on the following odd-even schedule.

a. Customers with street addresses that end with an odd number may irrigate only on Tuesdays.

b. Customers with street addresses that end with an even number may irrigate only on Wednesdays.

c. No irrigation is permitted on Mondays, Thursdays, Fridays, Saturdays and Sundays.

3. If the City establishes, and the Director approves, a Water Budget for a City park or other public ground, irrigation of the City park or public ground shall only be allowed according to the Water Budget, which shall not exceed a total quantity equal to the landscape area (in acres) multiplied by an application volume per acre equal to 50% of reference evapotranspiration.

4. Public and private streetscape landscaping (medians and frontage) may be watered only on the same schedule as customers with street addresses that end with an even number.

5. No water from the City water system shall be used to drain and refill swimming pools, artificial lakes, ponds or streams and no new permits for swimming pools, artificial lakes, ponds or streams shall be issued until the water conservation stage has been declared to be stage one.

6. Water use for ornamental ponds and fountains is prohibited unless required to maintain existing vegetation or to sustain existing fish/animal life.

7. New or expanded landscaping on properties is limited to low or very low water use trees, shrubs, and ground cover and no new turf or grass shall be planted, hydro-seeded or laid.

8. Washing of automobiles or equipment shall be done on the lawn or at a commercial establishment that uses recycled or reclaimed water.

9. All water leaks shall be repaired within twenty-four hours of notification by the Department of Public Works or service may be discontinued.

E. During the stage five (water emergency) efficiency stage, the following restrictions shall be enforced:

1. All stage one, two, three, and four restrictions shall continue to be enforced, except to the extent they are replaced by more restrictive requirements imposed by this section.

2. No landscape and/or pasture irrigation shall be allowed, including parks or other public grounds.

3. Flushing of sewers or fire hydrants is prohibited, except in case of an emergency and for essential operations.

4. Flushing of fire protection systems is prohibited, except during required maintenance or servicing of the system.

5. Water use for ornamental ponds and fountains is prohibited.

6. Washing of automobiles or equipment shall be done at a commercial establishment that uses recycled or reclaimed water.

7. Installation of any new lawns or landscaping is prohibited.

8. No water from the City water system shall be used for construction purposes such as dust control, compaction, or trench jetting, unless the use is necessary for fire protection system testing, maintenance, or acceptance by the Fire Chief.

12.12.110 Irrigation System Inspections

All customers, public and private, with a parcel over one acre shall comply with Section 11.38.010 of the Yreka Municipal Code, as amended or supplanted. Compliance with this requirement will be waived for one full year if a full landscape water audit has been performed in the previous year.

Customers that have a current irrigation system audit on file with the department will be allowed one courtesy water waste warning before being deemed in violation of this chapter.

12.12.120 Hardship Waiver.

A. Undue and Disproportionate Hardship: If, due to unique circumstances, a specific requirement of this chapter would result in undue hardship to a person using water or to property upon which water is used, that is disproportionate to the impacts to water users generally or to similar property of classes of water users, then the person may apply for a waiver to the requirements as provided in this section.

B. A Person requesting a variance from the provisions of this article must file an application with the City Manager on forms promulgated by the City. Each application shall include the following information:

1. Name and address of the applicant(s);

2. A full description of the proposed water use, including, but not limited to:
The daily amount of the proposed use;
The hours of the proposed use;

3. A reference to the specific provision(s) of this article from which the applicant is requesting relief;

4. A detailed statement as to how the specific provision of the article adversely affects the applicant and/or what damage or harm will occur to the applicant or others if applicant complies with this article;

5. A description of the relief requested;

6. The period of time for which the variance is sought;

7. Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this article and the compliance date; and

8. Any additional information that the City Manager deems relevant and necessary in making a determination regarding the request.

C. Written Finding: The waiver may be granted or conditionally granted only upon a written finding of the existence of facts demonstrating an undue hardship to a person using water or to property upon which water is used, that is disproportionate to the impacts to water users generally or to similar property or classes of water use due to specific and unique circumstances of the user or the user's property.

1. Application: Application for a waiver must be on a form prescribed by the City and accompanied by a non-refundable processing fee in an amount set by City Council resolution.

2. Supporting Documentation: The application must be accompanied by photographs, maps, drawings, and other information, including a written statement of the applicant.

3. Required Findings for Waiver: An application for a waiver will be denied unless the City Manager or his/her designee finds, based on the information provided in the application supporting documents, or such additional information as may be requested, and on water use information for the property as shown by the records of the City or its Agent, all of the following:

a. That the waiver does not constitute a grant of special privilege inconsistent with the limitations upon other residents and businesses;

b. That because of special circumstances applicable to the property or its use, the strict application of this chapter would have a disproportionate impact on the property of use that exceeds the impacts to residents and businesses generally;

c. That the authorizing of such waiver will not be of substantial detriment to adjacent properties, and will not materially affect the ability of the City to effectuate the purpose of this chapter and will not be detrimental to the public interest; and

e. That the condition or situation of the subject property of the intended use of the property for which the waiver is sought is not common, recurrent or general in nature.

D. Approval Authority: The City Manager or designee must act upon any completed application no later than thirty (30) days after submittal and may approve, conditionally approve, or deny the waiver. The applicant requesting the waiver must be promptly notified in writing of any action taken. Unless specified otherwise at the time a waiver is approved, the waiver will apply to the subject property during the period of the mandatory water supply shortage condition. The decision of the City Manager will be final.

E. Waivers granted shall expire upon the earlier of:

1. The date the water conservation measure from which the variance was granted is no longer in effect;

2. The date the City Manager determines that the applicant has failed to comply with any deadline imposed with respect to compliance with the conditions set forth in the variance; or

3. The date the City Manager specifically sets forth for termination of the variance.

F. Waivers not a defense. The granting of a waiver shall not be a defense to a violation of the provisions of this article that occurs prior to the effective date of the variance. No

variance shall be retroactive or otherwise justify any violation of this ordinance occurring prior to the issuance of the waiver.

12.12.130 Penalties and Violations

A. Violation of any provisions of the ordinance herein must be personally observed by members of the City staff able to personally attest to them. The fines for such violations will be collected on the water bill. Failure to pay a fine amount will be treated as nonpayment of the water bill and water service may be terminated as a result. The fines for such violations are as follows:

1. First Violation: The City will issue a written warning and deliver a copy of a summary of this ordinance by mail.

2. Second Violation: A second violation within the preceding twelve (12) calendar months is punishable by a fine not to exceed one hundred dollars ($100).

3. Third Violation: A third violation within the preceding twelve (12) calendar months is punishable by a fine not to exceed two hundred and fifty ($250).

4. Fourth and Subsequent Violations: A fourth and any subsequent violation is punishable by a fine not to exceed five hundred ($500).

a. Water Flow Restrictor Device: In addition to any fines, the City may install a water flow restrictor device of approximately one gallon per minute.

b. Termination of Service: In addition to any fines, the City may disconnect and/or terminate a customer's water service.

B. Cost of Installing Flow Restrictor or Disconnecting Service: A person or entity that violates this ordinance is responsible for payment of the City's charges for installing a flow restrictor or disconnecting and/or reconnecting service per the City's schedule of charges then in effect. Nonpayment will be subject to the same remedies as nonpayment of basic water rates.

C. Separate Offenses: Each day that a violation of this ordinance occurs is a separate offense.

D. Additional Enforcement Authority: In addition to the remedies specified herein, the Director is empowered to pursue any additional remedies necessary, including criminal, civil and administrative remedies.

E. Notice and Hearing:

1. The City will issue a Notice of Violation by mail or personal delivery at least ten (10) days before taking enforcement action. Such notice must describe the violation and the date by which corrective action must be taken. A Customer may appeal the Notice of Violation by filing a written notice of appeal with the City no later than the close of business on the day before the date scheduled for enforcement action. Any Notice of Violation not timely appealed will be final. Upon receipt of a timely appeal, a hearing on the appeal will be scheduled, and the City will mail written notice of the hearing date to the Customer at least ten (10) days before the date of the hearing.

2. Pending receipt of a written appeal or pending a hearing pursuant to an appeal, the City may take appropriate steps to prevent the unauthorized use of water as appropriate to the nature and extent of the violations and the current declared Water Conservation Stage condition.

12.12.140 Unauthorized Water Use

A. An illegal connection to the City water system shall be disconnected at the discretion and direction of the Director, and the offender shall be subject to the penalties specified in Section 12.12.130.

B. Unauthorized use of a fire hydrant, public or private, for anything other than fire flows or authorized and metered construction water shall subject the offender to the penalties specified in Section 12.12.130 and Chapter 12.04 of the Yreka Municipal Code.

C. Private fire services with an observed demand that is deemed not to be fire flow by the department shall have a meter and appropriate cross-connection control device installed by the property owner, upon approval by the Director and the fire chief. Prior to making any modifications or alteration to the on-site fire service, a permit shall be obtained from the fire department. Upon written notification of the requirement to install a meter and cross-connection control device, the property owner shall have thirty calendar days to submit a plan of correction to the Director. Failure to comply with this section shall subject the property owner to the penalties specified in Section 12.12.130.

12.12.150 Cross-connection Control Devices

All connections to the City's water system shall have the appropriate cross-connection control device as required by regulations promulgated by CDPH and/or SWRCB and enforced by the Department in accordance with Chapter 12.13, Cross-Connections, as amended or supplanted. These devices shall be from the approved and published list maintained by the

University of Southern California (USC) or other list as approved by the Director and shall be tested annually in accordance with the Department's policies and procedures. Devices used on private fire services shall be listed for fire service use and maintained in accordance with State Fire Marshall regulations.

12.12.160 Violation Declared a Nuisance

Any activity in violation of this chapter will adversely and seriously affect the public health, safety and welfare, is hereby declared to be a public nuisance and may be remedied as provided in this chapter, any other applicable portion of the Yreka Municipal Code or applicable state law.

SECTION 4.

Any provisions of the Yreka Municipal Code, or appendices thereto, or any other ordinances of the City inconsistent herewith, to the extent of such inconsistencies and no further, are hereby repealed.

SECTION 5. Severability:

If any section, subsection, part, clause, sentence or phrase of this Ordinance or the application thereof is for any reason held to be invalid or unconstitutional by a decision of any court of competent jurisdiction, the validity of the remaining portions of this Ordinance, the application thereof, shall not be effected thereby but shall remain in full force and effect, it being the intention of the City Council to adopt each and every section, subsection, part, clause, sentence phrase regardless of whether any other section, subsection, part, clause, sentence or phrase or the application thereof is held to be invalid or unconstitutional.

SECTION 6. Effective Date:

This ordinance shall take effect immediately upon its adoption.

SECTION 7. Implementation:

The City Council hereby authorizes and directs the City Manager to take any action and sign any documents necessary to implement this Ordinance.

SECTION 8. Publication:

The City Clerk is directed to publish a summary of this ordinance as required by Water Code Sections 352 and 376.

SECTION 9. **Codification:**

The City Clerk is directed and authorized to instruct the publisher of the City of Yreka Municipal Code that codification of this Ordinance is limited to Sections 2 and 3.

SECTION 10. **Execution:**

The Mayor and City Clerk are authorized to subscribe this ordinance where indicated below to evidence its approval.

Introduced at a regular meeting of the City Council held August 6, 2015, and adopted as an ordinance of the City of Yreka at a regular meeting of the City Council held on August 20, 2015 by the following vote:

AYES: Baird, Foster, Mercier & Simmen
NOES: None
ABSENT: Freeman

John Mercier, Mayor

APPROVED AS TO FORM

Dohn Henion, City Attorney

Attest:

Elizabeth E. Casson, City Clerk

APPENDIX K

LARGE WATER SYSTEM 2015 ANNUAL REPORT

LARGE WATER SYSTEM
2015 ANNUAL REPORT TO THE DRINKING WATER PROGRAM
FOR YEAR ENDING DECEMBER 31, 2015
[Section 116530 Health & Safety Code]

WATER SYSTEM INFORMATION	
Water System No.:	CA4710011
Water System Name:	CITY OF YREKA
Water System Ownership (See descriptions below):	Local Government
Physical location: *(address line 1, address line 2, city, zip)* *Note: **NO** P.O. Box*	701 FOURTH STREET 701 FOURTH STREET YREKA 96097
General Office Phone: *(with area code)*	
Web site address:	http://ci.yreka.ca.us/

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:	
Name:	Robert Taylor
Title:	Water Manager
Business phone:	530-841-2327
Cell phone:	530-340-2004
Email address:	rtaylor@ci.yreka.ca.us

COMMENTS:

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.

NEW! 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)	
BATES, MARK	Business	530-842-2370		☐ ** Delete Contact **	
	Home			☐ Administrative	☑ Operator
WATER OPERATOR III	Facsimile			☐ Financial	☐ Emergency
856 NORTH MAIN ST.	Mobile	530-598-5885		☐ Designated Operator In Charge	☐ Water Quality
YREKA CA 96097	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
TAYLOR, ROB	Business	530-841-2327		☐ ** Delete Contact **	
	Home		RTAYLOR@CI.YREKA.CA.US	☑ Administrative	☐ Operator
WATER MANAGER	Facsimile	530-842-3721		☑ Financial	☑ Emergency
856 N. MAIN STREET	Mobile	530-340-2004		☑ Designated Operator In Charge	☑ Water Quality
YREKA CA 96097	Emergency	530-340-2004		☐ Owner	☑ Legal
				☐ Funding	☐ Contract Operator
	Business			☐ ** Delete Contact **	
	Home			☐ Administrative	☐ Operator
	Facsimile			☐ Financial	☐ Emergency
	Mobile			☐ Designated Operator In Charge	☐ Water Quality
	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
	Business			☐ ** Delete Contact **	
	Home			☐ Administrative	☐ Operator
	Facsimile			☐ Financial	☐ Emergency
	Mobile			☐ Designated Operator In Charge	☐ Water Quality
	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
	Business			☐ ** Delete Contact **	
	Home			☐ Administrative	☐ Operator
	Facsimile			☐ Financial	☐ Emergency
	Mobile			☐ Designated Operator In Charge	☐ Water Quality
	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
	Business			☐ ** Delete Contact **	
	Home			☐ Administrative	☐ Operator
	Facsimile			☐ Financial	☐ Emergency
	Mobile			☐ Designated Operator In Charge	☐ Water Quality
	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator

	Business			☐ ** Delete Contact **	
	Home			☐ Administrative	☐ Operator
	Facsimile			☐ Financial	☐ Emergency
	Mobile			☐ Designated Operator In Charge	☐ Water Quality
	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
	Business			☐ ** Delete Contact **	
	Home			☐ Administrative	☐ Operator
	Facsimile			☐ Financial	☐ Emergency
	Mobile			☐ Designated Operator In Charge	☐ Water Quality
	Emergency			☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
Add Additional Contact				(pick all that apply)	
Roy Hathaway	Business	530-841-2370		☐ Administrative	☑ Operator
WATER OPERATOR lII	Home	--Fax No--	--Email Addr--	☐ Financial	☐ Emergency
856 North Main St --Address Line 2--	Facsimile			☐ Designated Operator In Charge	☐ Water Quality
	Mobile	530-340-2005	--2nd Email Addr-		
Yreka CA 96097	Emergency	--Emer. #--		☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--		☐ Administrative	☐ Operator
--Title--	Home	--Fax No--	--Email Addr--	☐ Financial	☐ Emergency
--Address Line 1-- --Address Line 2--	Facsimile	--Mob. #--		☐ Designated Operator In Charge	☐ Water Quality
	Mobile		--2nd Email Addr-		
--City-- --ST-- --Zip--	Emergency	--Emer. #--		☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--		☐ Administrative	☐ Operator
--Title--	Home	--Fax No--	--Email Addr--	☐ Financial	☐ Emergency
--Address Line 1-- --Address Line 2--	Facsimile	--Mob. #--		☐ Designated Operator In Charge	☐ Water Quality
	Mobile		--2nd Email Addr-		
--City-- --ST-- --Zip--	Emergency	--Emer. #--		☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--		☐ Administrative	☐ Operator
--Title--	Home	--Fax No--	--Email Addr--	☐ Financial	☐ Emergency
--Address Line 1-- --Address Line 2--	Facsimile	--Mob. #--		☐ Designated Operator In Charge	☐ Water Quality
	Mobile		--2nd Email Addr-		
--City-- --ST-- --Zip--	Emergency	--Emer. #--		☐ Owner	☐ Legal
				☐ Funding	☐ Contract Operator

COMMENTS:

2. POPULATION SERVED

Permanent population or number of long-term residents*: Please follow this LINK for instructions to determine population.	7840

**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:	Water service area matches municipal area

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:
Yreka, CA

COMMENTS:

3. NUMBER OF SERVICE CONNECTIONS*(as of December 31, 2015)*

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:	3054

The total number of Service Connections as of December 31, 2015 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

	Potable Water			Recycled Water		
TYPE **Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward "service connections" for compliance purposes.**	**Unmetered**	**Metered**	**Total***	**Unmetered**	**Metered**	**Total***
Single-family Residential: single family detached dwellings	0	2250	2250	0	0	0
Multi-family Residential: Apartments, condominiums, town houses, duplexes and trailer parks	0	195	195	0	0	0
Commercial/Institutional: Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels	0	487	487	0	0	0

Industrial: All manufacturing	0	10	10	0	0	0
Landscape Irrigation: Parks, play fields, cemeteries, median strips, golf courses	0	51	51	0	0	0
Agricultural Irrigation: Irrigation of commercially-grown crops	0	0	0	0	0	0
Total Active Connections*	0	2993	2993	0	0	0
NEW! Other: Fire suppression, street cleaning, line flushing, construction meters, temporary meters	0	2	2	0	0	0

*Calculated field

To update totals click here

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."	21

COMMENTS:

4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES

Type	Total No. Approved *(by permit)*	Total No. New/ Added in 2015	Total No. Inactivated in 2015	Total No. Destroyed in 2015
Active Groundwater Intakes (Wells)	0	0	0	0
Active Surface Water Intakes (Raw)	1	0	0	0
Active Purchased Water (GW) Connections	0	0	0	0
Active Purchased Water (SW) Connections	0	0	0	0
Standby Sources[1]	1	0	0	0
Emergency Interconnections	0	0	0	0
Inactive Sources[2]	0		0	0

Are your water sources metered? No

[1]**If a standby source was used in 2015**, provide the following information.

Name of the Standby Source used in 2015:	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:

[2]**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: The North Well standby source facility will be upgraded in 2016 and a meter added during construction.

5. WATER PRODUCED, PURCHASED AND SOLD

The **Maximum Day** is the day during 2015 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.

The **Maximum Month** is the month during 2015 with the highest total water usage. Provide the *month* in Column B, then complete Columns C, D and E, indicating how much of the water during that month was from each source.

Units of Measure for this table: Million Gallons

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[2]	Finished Water Purchased or Received from another PWS[5]	Total Amount of Potable Water[3*]	Water Sold to Another PWS[5]		
Maximum Day[1]	July 3	0	4.73	0	4.73	0		
Maximum Month	July	0	89.82	0	89.82	0		
January		0	31.83	0	31.83	0	0	0
February		0	27.95	0	27.95	0	0	0
March		0	33.08	0	33.08	0	0	0
April		0	43.20	0	43.2	0	0	0
May		0	57.48	0	57.48	0	0	0
June		0	83.46	0	83.46	0	0	0
July		0	89.82	0	89.82	0	0	0
August		0	86.96	0	86.96	0	0	0
September		0	72.54	0	72.54	0	0	0
October		0	55.62	0	55.62	0	0	0
November		0	30.18	0	30.18	0	0	0
December		0	30.43	0	30.43	0	0	0
Annual Total*		0	642.55	0	642.55	0	0	0
Percent Treated[4]								

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

[1]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.

[2]Do not include raw water purchased; report only volume of water that was treated.

[3](F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. To update, click below

To update totals click here

[4]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.

[5]If water was *Purchased* from or *Sold* to another PWS, complete the table below:

Specify whether water was *Purchased* or *Sold*	Name of PWS

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:

6a. WATER RATES

If you have questions about completing this section of the report ONLY, please contact Kathy.Frevert@Waterboards.ca.gov or call (916) 322-5274. For all other inquiries, please contact DRINC@waterboards.ca.gov.

NEW!

Indicate the type of residential water rate structure used by your water system: Variable Base Rate + Variable Usage Rate

If tiered, what is the number of tiers?	3
Date of most recent update to the rate structure: **MM/DD/YYYY**	10/01/2012
Describe the changes that were made in the update:	Final Stage of Rate Increase
What is your billing frequency monthly	
What is your new connection fee?	3146.85
Date of most recent update to the new connection fee: **MM/DD/YYYY**	01/01/2016

Complete the table below providing specific water rates applied to your customers:

Connection Type	FLAT BASE RATE	UNIFORM USAGE RATE	VARIABLE BASE RATE (provide range)		VARIABLE USAGE RATE (provide range)	
	$ (Base)	$ per hcf	$ Low	$ High	$ per hcf Low	$ per hcf High
RESIDENTIAL						
Single-family Residential	NA	NA	31.60	1106	1.86	2.23
Multi-family Residential	NA	NA	31.60	1106	1.86	1.86

Do you provide lifeline/low income subsidies?			Yes			
If Yes, provide rates:	NA	NA	29.60	29.60	1.86	2.23
If yes, what percentage of residential customers receive this subsidy?			1			
NON-RESIDENTIAL						
Commercial/Institutional	NA	NA	31.60	1106	1.86	2.23
Industrial	NA	NA	31.60	1106	1.86	2.23
Landscape Irrigation	NA	NA	31.60	1106	1.86	2.23
Agricultural Irrigation	NA	NA	31.60	1106	1.86	2.23
Other						
Do you have fire suppression surcharges?			No			
If Yes, provide rates:						
Do you have other surcharges?			No			
What are the other surcharges?						
If Yes, provide rates:						

AVERAGE MONTHLY RESIDENTIAL CUSTOMER WATER BILL IN $/month USING:

a. 6 CCF 39.95
b. 12 CCF 48.29
c. 24 CCF 66.50

NOTE: If this is not a "Community" Water System; enter N/A. If individual customers do not pay a separate bill for water enter "0".

6b. WATER DELIVERIES

Units of Measure for this table: Million Gallons

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[1*]**	**Agricultural**	**Other PWS**
Check if Recycled Water is included:	☐	☐	☐	☐	☐	☐		☐	☐
January	10.93	5.89	7.71	1.11	.03	.03	25.7	0	0
February	7.48	4.53	6.73	.94	.03	.01	19.72	0	0
March	8.63	4.7	6.66	1.09	.48	0	21.56	0	0
April	10.42	4.98	7.6	1.52	.26	0	24.78	0	0
May	20.73	6.01	11.63	1.57	2.52	.23	42.69	0	0
June	17.33	5.65	12.03	1.4	2.81	.64	39.86	0	0
July	33.86	8.94	18.23	1.31	7.46	.38	70.18	0	0

August	40.62	12.86	21.6	4.39	9.11	10.3	98.88	0	0
September	27.98	7.9	21.47	2.93	5.23	3.34	68.85	0	0
October	28.77	8.28	18.36	3.68	6.62	4.5	70.21	0	0
November	23.2	7.71	19.58	3.22	5.01	.72	59.44	0	0
December	10.64	5.64	7.58	2.46	.53	.2	27.05	0	0
Total*	240.59	83.09	159.18	25.62	40.09	20.35	568.92	0	0

PWS = Public Water System

*Calculated field

[1]Total Urban Retail = Sum of Columns (B) thru (G), automatically calculated. To update, click below

To update totals click here

6c. WATER EFFICIENCY INFORMATION (Required for water suppliers listed HERE; optional for all others)

1. What steps have you taken to implement the updated Model Water Efficient Landscape Ordinance?

   Provide the web link to the Landscape Ordinance that must be followed in your service area.

2. Provide a calculation of the total irrigated area subject to the 0.8 of ET standard (existing landscape)

3. Provide a calculation of the total irrigated area subject to the 0.55 of ET standard (existing landscape)

4. What percentage of your residential customers used more than 80% of ET for outdoor irrigation during 2015?*

5. What steps have you taken to implement SB 407 (2009)?

*Use 55 GPCD for indoor use. If you do not have household size data, use Census data. If your service area covers multiple ET zones and you do not have the ET data for each zone, use average ET for your service area.

COMMENTS:

20 largest urban water suppliers

1. Anaheim, City of
2. Bakersfield, City of
3. California Water Service - Bakersfield
4. Coachella Valley WD
5. Cucamonga Valley WD
6. East Bay MUD
7. Eastern Municipal WD
8. Fresno, City of

9. Irvine Ranch WD
10. Long Beach, City of
11. Los Angeles County Public Works
12. Los Angeles DWP
13. Modesto, City of
14. Rancho California WD
15. Riverside, City of
16. Sacramento, City of
17. San Bernardino, City of
18. San Diego, City of
19. San Francisco PUC
20. San Jose Water Company

7. WATER QUALITY

ANNUAL NITRATE SAMPLING

Regulations require a minimum of **annual** sampling for nitrate. If any nitrate result is >= 1/2 the MCL of 45 mg/l (i.e., a result of >= 23 mg/l nitrate) then quarterly monitoring must be initiated.

Did your system conduct monitoring for nitrate during 2015 from each source?	Yes

NOTE: If there were any sources that were not monitored because they were offline during 2015, 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:	5/10/04

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 2015 (Y/N)
CC2135	California Aluminum Chemicals	Filter-Aid	Y	N
Sodium Hypochlorite	Sierra Chemical Company	Pre-Chlorination	Y	N
Accu-Tab Calcium Hypochlorite	PPG Industries	Post-Chlorination	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?	No

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS:

8. CROSS-CONNECTION CONTROL

	Total Number in System	Number Installed in 2015	Number Tested in 2015	Number Failed in 2015	Number Repaired/ Replaced
Backflow Assemblies on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	159	31	188	4	9
Backflow Assemblies On-site but not on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Air-gap Separation	1	1			

No. of *Inactive* Backflow Prevention Assemblies in water system in 2015:			2
Date of last cross-connection control survey done on the system:			6/5/15
Cross Connection Control Program Coordinator			
Name:			Northwood Backflow Services
Certification Number:			05998
Business Phone:	(800) 750-4547	Email Address:	nrthwd.backflow@yahoo.com
Certification or training received: NA			

Describe any cross-connection incidents that occurred during 2015:

NA

COMMENTS:

9. CONSUMER CONFIDENCE REPORT *(does not apply to Transient Noncommunity water systems)*

THE 2015 CCR MUST BE DISTRIBUTED TO YOUR CUSTOMERS AND A COPY SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY JULY 1, 2016. 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, 2016.

CERTIFICATION MUST BE SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY OCTOBER 1, 2016, STATING THAT THE 2015 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

Indicate the date your 2015 CCR was distributed or will be distributed to your customers:	05/27/2015 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:
http://ci.yreka.ca.us/utilities/water-1

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: T3

If you do not have a Certified Treatment Plant Operator, put "NONE" in **each** column of the first row.

Name	Grade of Operator	Chief or Shift[1] (C/S)	Operator Number	Expiration Date
Robert T. Taylor	T3	C	24034	11-1-16
Mark A. Bates	T3	S	31740	11-1-17
Roy Hathaway	T3	S	31740	3-1-19

[1]Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X".

Do your Chief and Shift Treatment Plant Operators have the minimum level required? Yes

B. Please list the State certified Water **Distribution 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: D2

If you do not have a Certified Distribution System Operator, put "NONE" in **each** column of the first row.

Name	Grade of Operator	Chief or Shift[1] (C/S)	Operator Number	Expiration Date
Matt Bray	D2	C	38875	6-1-17
Robert T. Taylor	D2	S	28592	12-1-16
Mark A. Bates	D2	S	21399	6-1-19
Paul Anderson	D1	S	43296	11-1-16
Mark Chapman	D1	S	34416	4-1-17
Kevin Cobb	D1	S	34466	4-1-17
Tyler Harker	D1	S	38884	3-1-17
Roy Hathaway	D1	S	34145	4-1-17
Benjamin Miller	D1	S	45578	6-1-18
David Peterson	D1	S	26412	12-1-18
Richard Scott	D1	S	38897	3-1-17
Yarek Watkins	D1	S	43267	11-1-16

[1]Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X".

Do your Chief and Shift Distribution System Operators have the minimum level required? Yes

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 2015 for which a permit was not obtained, please describe the improvements or modifications below.
NA

Indicate any planned improvements or modifications for 2016.
The North Well facility (emergency backup source)is being replaced with a newer facility and equipment. A boil water notice is currently required to run the well due to insufficient CT. The improvements should remove the boil water notice requirement. Capacity and process will remain the same.

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				
Color				
Turbidity				
Visible Organisms				
Pressure (High or Low)				
Water Outages[1]				
Illnesses (Waterborne)				
Other (Specify)	1	1	0	Investigated cloudy water complaint at Evergreen School. School maintenance had turned off the water to make plumbing repairs and the cloudiness was the result of air in the lines and had cleared before we arrived.
Total No. of Complaints*	1	1	0	

[1]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

No

NEW! 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, 2015	No. of New Sites Approved in 2015	No. of Sites Proposed for 2016
Irrigation, Agriculture			
Irrigation, Landscape			
Industrial			
Dual-plumbed (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 2015?	
How many pressure/shutdown tests were performed in 2015?	
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:

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 2015 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)
Fall Creek Filtration Plant	3	7.4	Filtration	April 2013	Y

Describe any plant problems, process failures, major shutdowns, etc., which occurred in 2015 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)*:	April 2013
**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:.*	
Name of Document that includes the Emergency Disinfection Plan:	Operations Manual
Date of document that includes the Emergency Disinfection Plan:	June 2013
Date of last watershed sanitary survey report ?:	Fall Creek 1/03, North Well 9/02
Date planned to complete next watershed sanitary survey report*:	
**As required under Section 64665, each watershed sanitary survey shall be updated at least every 5 years.*	

COMMENTS: ?

15. SYSTEM OPERATION – DISTRIBUTION

A. DEAD-END FLUSHING PROGRAM

Total No. in System	No. with Blowoffs	No. Flushed in 2015	Frequency of Flushing
0	0	0	0

B. VALVE EXERCISE PROGRAM

Size Range of Valves	Total No. in System	No. Exercised in 2015	Frequency of Valve Exercising
2-24	901	0	Annual

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
Klamath Pass	.135	1968	10-4-15	10-4-15	NA
Butcher Hill	1.25	1951	8-21-13	8-21-13	9-5-12
Evergreen	1.0	1968	10-4-15	10-4-15	NA
City Ranch	1.6	1968	10-15-13	10-15-13	NA
Humbug	.5	1960	11-3-14	11-3-14	NA
Upper Humbug	.5	1976	11-1-10	11-1-10	NA
Shasta Belle	.03	?	11-3-14	11-3-14	NA
Karuk	.75	2003	11-1-10	11-1-10	NA
Butcher Hill Clearwell	2.5	2012	3-13-13	3-13-13	NA

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	13	13	0	
Main Breaks/Leaks	4	4	1	24" Water supply main ruptured on 10-9-16 resulted in a water outage in a portion on town and a City wide Boil Water Order until bacti results verified that the water was safe to drink.
Water Outages	1	1	1	
Boil Water Orders	1	1	1	
Total*	19	19	3	

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.

	Yes

Do you have an Emergency Response Plan (ERP) that addresses the procedures for the restoration of water service for your water system?	
Date of your current Emergency Response Plan:	7/11
Date ERP was last exercised with a tabletop or other activity:	NA

B. AUXILIARY POWER SUPPLY

Does your water system have backup power for:	
1. Sources:	Some
2. Pumping Stations:	Some
3. Water Treatment Plants:	All
If your system has backup power, how many times per year is it exercised?	4
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:	6/11
If you experienced water shortages in 2015, please estimate the amount of shortfall in millions of gallons:	NA
Did drought conditions cause you to activate emergency standby wells in 2015?	No
Do you project water shortages in the current calendar year?	No
Did you implement NEW water conservation measures in 2015?	Yes
If you implemented NEW water conservation measures in 2015, please estimate how much water was conserved in millions of gallons: 37 (MG) 5 % reduction in demand	
Do you anticipate having to go to mandatory rationing in the upcoming year?	Yes
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?:	Steady

Please list any other long term actions you are considering or planning:
Conservation reduction compared to 2014. Mandatory rationing is required to comply with State Emergency Drought regulations.

COMMENTS:

Disclosure: Be advised that Section 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 purpose of compliance may be liable for a civil penalty not to exceed five thousand dollars ($5,000) for each separate violations 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 violation, or be imprisoned in county jail not to exceed one year, or both the fine and imprisonment.

APPENDIX L

AWWA WATER AUDIT REPORTING WORKSHEET

AWWA WLCC Free Water Audit Software: Reporting Worksheet

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WAS v4.2

Back to Instructions

? Click to access definition

Water Audit Report for: City of Yreka
Reporting Year: 2015 | 1/2015 - 12/2015

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 (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: MILLION GALLONS (US) PER YEAR

WATER SUPPLIED

<< Enter grading in column 'E'

Volume from own sources:	?	8	642.600	Million gallons (US)/yr (MG/Yr)
Master meter error adjustment (enter positive value):	?	5	2.000	under-registered MG/Yr
Water imported:	?	n/a	0.000	MG/Yr
Water exported:	?	7	5.358	MG/Yr
WATER SUPPLIED:			639.242	MG/Yr

AUTHORIZED CONSUMPTION

Click here: ? for help using option buttons below

					Pcnt:	Value:
Billed metered:	?	7	566.646	MG/Yr		
Billed unmetered:	?	5	0.000	MG/Yr		
Unbilled metered:	?	n/a	0.000	MG/Yr		
Unbilled unmetered:	?		7.991	MG/Yr	1.25%	

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

AUTHORIZED CONSUMPTION:	?	574.637	MG/Yr

Use buttons to select percentage of water supplied **OR** value

WATER LOSSES (Water Supplied - Authorized Consumption)

64.605 MG/Yr

Apparent Losses

					Pcnt:	Value:
Unauthorized consumption:	?		1.598	MG/Yr	0.25%	

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

Customer metering inaccuracies:	?	5	20.552	MG/Yr	3.50%	
Systematic data handling errors:	?	5	5.747	MG/Yr		
Apparent Losses:	?		27.897			

Choose this option to enter a percentage of billed metered consumption. This is NOT a default value

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:	?	36.708	MG/Yr
WATER LOSSES:		64.605	MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER:	?	72.596	MG/Yr

= Total Water Loss + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	?	6	84.9	miles	
Number of active AND inactive service connections:	?	8	3,036		
Connection density:			36	conn./mile main	
Average length of customer service line:	?	10	18.0	ft	(pipe length between curbstop and customer meter or property boundary)
Average operating pressure:	?	7	90.1	psi	

COST DATA

Total annual cost of operating water system:	?	8	$1,486,001	$/Year
Customer retail unit cost (applied to Apparent Losses):	?	8	$17.09	$/1000 gallons (US)
Variable production cost (applied to Real Losses):	?	8	$1,284.63	$/Million gallons

PERFORMANCE INDICATORS

Financial Indicators

Non-revenue water as percent by volume of Water Supplied:	11.4%
Non-revenue water as percent by cost of operating system:	35.9%
Annual cost of Apparent Losses:	$476,760
Annual cost of Real Losses:	$47,157

Operational Efficiency Indicators

Apparent Losses per service connection per day:	25.17	gallons/connection/day
Real Losses per service connection per day*:	33.13	gallons/connection/day
Real Losses per length of main per day*:	N/A	
Real Losses per service connection per day per psi pressure:	0.37	gallons/connection/day/psi
? Unavoidable Annual Real Losses (UARL):	32.63	million gallons/year
From Above, Real Losses = Current Annual Real Losses (CARL):	36.71	million gallons/year
? Infrastructure Leakage Index (ILI) [CARL/UARL]:	1.12	

* only the most applicable of these two indicators will be calculated

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 69 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: Master meter error adjustment
3: Customer metering inaccuracies

For more information, click here to see the Grading Matrix worksheet

APPENDIX M

ANNUAL DRINKING WATER QUALITY REPORT

CITY OF YREKA

2015 Annual Drinking Water Quality Report

We're pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality of water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality and safety of your water.

We test the drinking water quality 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, 2015

Where does your water come from? Our water source is Fall Creek, which is approximately 25 miles northeast of Yreka. This is an abundant supply of high quality water, and does not vary appreciably from season to season. The City also has an emergency water source referred to as the North Well. It is located along Yreka Creek near Montague Road. This well is on emergency standby, and is capable of producing approximately 1 million gallons per day. This source meets drinking water standards as set by the California Department of Public Health, but the water is not as desirable as Fall Creek.

The California Department of Public Health, Klamath District, completed an assessment of the drinking water source for Fall Creek in January of 2003. Fall Creek is considered most vulnerable to the following activities: Mining - *Sand/Gravel*, Surface water - *streams/lakes/rivers*, and Transportation corridors - *Roads/Streets/Historic railroad right-of-ways*. The assessment states that there have been no contaminants detected in this water supply. For more information on the Source Water Assessment, please contact the SWRCB Division of Drinking Water, Field Operations Branch at (530) 224-4800.

How is the water treated and monitored? Water from Fall Creek is chlorinated and filtered before it is delivered to our customers. All water systems using surface water are required to routinely measure the turbidity or "clarity" of the filtered water. Turbidity measurements are needed in order to monitor the effectiveness of the filtration process at removing microbiological contaminants that may be found in surface water.

How do we verify that the water is free from harmful bacteria? Water systems are required to meet a strict standard for coliform bacteria. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If the standard is exceeded, the water supplier must notify the public by newspaper, television or radio. No coliform bacteria were detected in the 156 samples taken from the distribution system in 2015.

Contaminants that may be present in source water:

The sources of drinking water (both tap water 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. Types of contaminants include:

Microbial contaminants, such as viruses and bacteria that may come from wastewater treatment plants, septic systems, agricultural livestock operations, and wildlife.
Inorganic contaminants, such as salts and metals, that can be naturally occurring or results from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, and mining or farming.
Pesticides and herbicides, which 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Water Quality Tables: Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants and water quality indicators that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Water Resources Control 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, though representative of the water quality, are more than one year old.
Note: To help you better understand the tables, definitions are provided on the following page.

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (sample sets are collected at least once every three years) Sampled 8/29/13	**No. of samples collected**	**90th percentile level detected**	**No. sites exceeding AL**	**Regulated Levels**		**Typical Source of Contaminant**
				AL	**PHG**	
Lead (ppb)	20	ND	0	15	0.20	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	20	ND	0	1.3	0.30	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Sodium (ppm)	11/02/11	5.65	N/A	none	none	Generally found in ground & surface water
Hardness (ppm)	11/02/11	74	N/A	none	none	Generally found in ground & surface water

TABLE 3 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Source of Contaminant**
Gross Alpha Radiation (pCi/L)	07/20/09	ND	N/A	15	(0)	Erosion of natural deposits
Aluminum (ppb)	10/01/07	52	N/A	1000	600	Erosion of natural deposits
Perchlorate (ppb)	08/24/15	ND	N/A	6	1	Inorganic chemical used in rocket propellant, fireworks,explosives, and a variety of industries
TTHMs (Total Trihalomethanes) (ppb)	2015	Avg: 37.9	22.5 – 45.0	80	N/A	By-product of drinking water disinfection
Haloacetic Acids (ppb)	2015	Avg: 30.0	17.2 – 37.9	60	N/A	By-product of drinking water disinfection
Chlorine (ppm)	01/15-12/15	N/A	0.21 – 1.36	[4.0]	[4.0]	Drinking water disinfectant added for treatment

TABLE 4 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Total Dissolved Solids (ppm)	11/02/11	107	N/A	1000	N/A	Runoff/leaching from natural deposits
Specific Conductance (uS/cm)	11/02/11	150	N/A	1600	N/A	Substances that form ions when in water
Chloride (ppm)	11/02/11	1.1	N/A	500	N/A	Runoff/leaching from natural deposits

TABLE 5 – SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCE	
Treatment Technique [(a)] (Type of filtration technology used)	Direct Filtration
Turbidity Performance Standards [(b)] (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to **0.30** NTU in 95% of measurements in a month. 2 – Not exceed **1.0** NTU for more than 1 hour. 3 – Not exceed **1.0** NTU for more than 8 hours.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	99.2% were less than or equal to 0.30 NTU
Highest single turbidity measurement during the year	July 2015: 0.37 NTU's
Number of violations of any surface water treatment requirements	**No Violations**

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

In the table, there are many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

TERMS USED IN THIS REPORT:

(MCL) Maximum Contaminant Level: 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.

(MCLG) Maximum Contaminant Level Goal: 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).

(PHG) Public Health Goal: 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.

(MRDL) Maximum Residual Disinfectant Level: 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.

(MRDLG) Maximum Residual Disinfectant Level Goal: 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.

(PDWS) Primary Drinking Water Standards: MCLs or MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

(SDWS) Secondary Drinking Water Standards: MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

(TT) Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

(AL) Regulatory Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Variances and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (ug/L)

ppt: parts per trillion or nanograms per liter (ng/L)

pCi/L: picocuries per liter (a measure of radiation)

NTU: Nephelometric Turbidity Units

Only detected contaminants and the parameters that are most relevant to water quality appear in this report. Other contaminants that have been tested for, but not detected, are:
Arsenic, Antimony, Barium, beryllium, Cadmium, Fluoride, Hexavalent Chromium, Mercury, Nickel, Selenium, Thallium, Radium 228, Nitrate, Nitrite, Benzene, Toluene, Vinyl Chloride, and Xylenes.

Additional Information on Drinking Water: 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 the 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 (800-426-4791).

Important Health Information: 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 microbiological contaminants are available from the Safe Drinking Water Hotline at 800-426-4791.

Guidance on Lead:

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. The City of Yreka Department of Public Works is responsible for providing high quality drinking water, but cannot control the variety of materials used in home plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure from your home plumbing by flushing your tap for 30 seconds to 2 minutes before using water for cooking or drinking. 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 at 800-426-4791 or at http://www.epa.gov/lead.

Should customers be worried about Lead?

There are no issues in the City's distribution system at this time as indicated by test results. Lead should not be a concern in homes and buildings that do not have lead in their plumbing system, or where lead components have been replaced. Still, some homes and buildings in our service area may have lead pipes, soldered joints, or fixtures containing lead. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. We recommend that customers with concerns have their water tested at a certified lab.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Thank you for reading this Report and taking the time to learn about the efforts and challenges that are involved in providing high quality drinking water. If you have questions about this information, please contact Rob Taylor, Water Manager, at 841-2370. Public participation is welcome at our City Council meetings, which are held at 6:30 p.m. on the first and third Thursdays of every month at the City Council Chambers, 701 Fourth Street.

We take pride in providing safe, clean, quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

The City of Yreka is a proud member of: AWWA California Rural Water Association