

# CHAPTER 1. INTRODUCTION

## PURPOSE

*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).*

*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.*

In accordance with Urban Water Management Planning Act, as included in the California Water Code, Division 6, Part 2.6, every urban water supplier in California 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, is required to prepare and adopt an Urban Water Management Plan (UWMP). The adopted UWMP must then be updated at least once every five years on or before December 31, in years ending in five and zero. An urban water supplier that does not prepare, adopt and submit its UWMP to the California Department of Water Resources (DWR) is ineligible to receive certain grant funding or receive drought assistance from the state.

The City of Fresno (City) is a water retailer. In 2007, the City supplied 165,798 acre-feet (af)<sup>1</sup> of potable water to 130,167 water services<sup>2</sup> in the City of Fresno water service area, and is therefore subject to the requirements of the Urban Water Management Planning Act (UWMP Act).

## PLAN CONTENTS, ORGANIZATION AND FORMAT

The UWMP Act, established in 1983 by Assembly Bill 797 and amended numerous times since then (most recently in 2005 by Senate Bill 1087), establishes the requirements for a UWMP. The latest version of the UWMP Act is provided in Appendix A. This 2008 UWMP for the City has been prepared in accordance with those requirements and contains information which is necessary to plan for the efficient use of urban water supplies within the City's water service area. This information is contained in the following chapters:

- Chapter 1: Introduction
- Chapter 2: Plan Preparation, Coordination and Adoption
- Chapter 3: Water Service Area
- Chapter 4: Water Supply
- Chapter 5: Water Supply Reliability
- Chapter 6: Water Demand
- Chapter 7: Comparison of Supply and Demand

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<sup>1</sup> Source: City of Fresno Production Statistics (prdstats.xls), water supply shown is for 2007 calendar year.

<sup>2</sup> Source: City of Fresno Public Water System Statistics Report for Calendar Year 2007.

- Chapter 8: Demand Management Measures
- Chapter 9: Water Shortage Contingency Plan
- Chapter 10: Recycled Water

Appendices to this UWMP include the following additional information:

- Appendix A: UWMP Act
- Appendix B: Agency and Public Notices Regarding UWMP Preparation and Adoption
- Appendix C: Resolution to adopt this updated UWMP
- Appendix D: USBR and FID water supply contracts and agreements
- Appendix E: Fresno Area Regional Groundwater Management Plan
- Appendix F: City Municipal Code Water Regulations and Provisions
- Appendix G: Annual Conservation Program Status Report
- Appendix H: Excerpts from City Water Conservation Plan
- Appendix I: Residential Water Meter Plan
- Appendix J: Draft Resolution for the Implementation of the Water Shortage Contingency Plan

To demonstrate compliance with applicable water codes, applicable water code provisions are shown in italics at the beginning of each chapter or section. Furthermore, to demonstrate completeness and assist DWR in their review of this 2008 UWMP, where applicable, tables in this 2008 UWMP include corresponding DWR table numbers from DWR’s Guidebook for Preparation of a 2005 Urban Water Management Plan (see Table ES-1 in the Executive Summary showing table cross-references).

## **GLOSSARY OF TERMS AND ACRONYMS**

The following terms and acronyms have been used throughout this UWMP to improve document clarity and readability.

ADAF	Average day annual flow
ADWF	Average dry weather flow
Af	Acre-feet
afa, af/yr	Acre-feet per year
Bakman	Bakman Water Company
BMPs	Best Management Practices
BOD	Biological Oxygen Demand
Bureau	United States Bureau of Reclamation

CEQA	California Environmental Quality Act
Cfs	Cubic feet per second
CI	Commercial and industrial
CII	Commercial, industrial and institutional
CIMIS	California Irrigation Management Information System
City	City of Fresno
CSUF	California State University, Fresno
CUWCC	California Urban Water Conservation Council
CVP	Central Valley Project
CVWAC	Central Valley Water Awareness Committee
DMMs	Demand Management Measures; fourteen water conservation measures included in the UWMP Act
DOF	State of California Department of Finance
DWR	State of California Department of Water Resources
Et <sub>o</sub>	Evapotranspiration
FARGMP	Fresno Area Regional Groundwater Management Plan
FID	Fresno Irrigation District
FY	Fiscal year
FYP	Flex Your Power
GIS	Geographic Information System
Gpcd	Gallons per capita per day
Gpd	Gallons per day
GWMP	Groundwater Management Plan
HCF	Hundred cubic feet
Herndon	Herndon Water Company
KRWA	Kings River Water Association
MEF	Modified Energy Factor
MG	Million gallons
Mgd	Million gallons per day
Mg/L	Milligrams per liter
MOU	Memorandum of Understanding
NRDC	National Resources Defense Council
OES	Office of Emergency Services
Park Van Ness	Park Van Ness Mutual Water Company
PG&E	Pacific Gas and Electric Company
Pinedale	Pinedale County Water District
RWQCB	Regional Water Quality Control Board

RWRF	Regional Wastewater Reclamation Facility
SOI	Sphere of Influence
SWTF	Surface Water Treatment Facility
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
UAFW	Unaccounted-for Water
ULFT	Ultra Low Flush Toilet
USBR	United States Bureau of Reclamation
UWMP	Urban Water Management Plan
UWMP Act	Urban Water Management Planning Act; enacted in 1983; establishes requirements for a UWMP
WF	Water Factor
WMP	Water Master Plan
WRCC	Western Regional Climate Center
WRF	Wastewater Reclamation Facility
WRIME	Water Resources & Information Management Engineering, Inc.; preparer of regional groundwater model (see Chapter 4)
WYA	West Yost Associates; preparer of this UWMP