

CHAPTER 1. INTRODUCTION

PURPOSE

In accordance with California Water Code Division 6, Part 2.6 Urban Water Management Planning, 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 drought assistance from the State of California.

In 2005, the City of Sacramento (City) supplied 138,974 acre-feet (af) of potable water to approximately 136,347 water services in the City of Sacramento water service area, and is therefore subject to the requirements of the Urban Water Management Planning Act.

The City prepared its first UWMP in 1991; the UWMP was then updated in 1996 and 2001.

PLAN CONTENTS AND ORGANIZATION

The Urban Water Management Planning Act (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 updated UWMP for the City has been prepared in accordance with those requirements and contains information on the following:

- UWMP development and public participation;
- City's water service area and population;
- Available water supply sources and associated reliability;
- Past, present and projected water demands;
- City water demand management measures;
- City water shortage contingency plan; and
- Potential for use of recycled water within the City's water service area.

Appendices to this UWMP include the following:

- Appendix A: UWMP Act
- Appendix B: Notice of Public Hearing and Resolution to adopt this updated UWMP
- Appendix C: Water supply contracts and agreements



- Appendix D: Groundwater Management Plans
- Appendix E: 72-Year Hydrologic Analysis
- Appendix F: California Urban Water Conservation Council Best Management Practice Reporting
- Appendix G: City's Water Forum Water Conservation Plan
- Appendix H: City Municipal Code and Ordinances related to Water Conservation
- Appendix I: Draft Water Shortage Contingency Plan Resolution

GLOSSARY OF TERMS AND ACRONYMS

The following terms and acronyms have been used throughout this UWMP 2005 Update to improve document clarity and readability.

ADWF	Average dry weather flow
af	Acre-feet
afa, af/yr	Acre-feet per year
AFB	Air Force Base
BMPs	Best Management Practices
Bureau	United States Bureau of Reclamation
cfs	Cubic feet per second
CI	Commercial and industrial
CII	Commercial, industrial and institutional
CIMIS	California Irrigation Management Information System
City	City of Sacramento
CMP	Sacramento Coordinated Water Quality Monitoring Program
County	County of Sacramento
CSCGF	Central Sacramento County Groundwater Forum
CSD	County Sanitation District
CSS	Combined Sewer System
CUWCC	California Urban Water Conservation Council
CWTP	Combined Wastewater Treatment Plant
DCE	cis-1,2-dichloroethene
DHS	Department of Health Services
DMMs	Demand Management Measures; fourteen water conservation measures included in the UWMP Act
DOF	State of California Department of Finance



DOU	City of Sacramento Department of Utilities
DWR	State of California Department of Water Resources
Et ₀	Evapotranspiration
FWTP	Fairbairn Water Treatment Plant
FY	Fiscal year
GIS	Geographic Information System
gpcd	Gallons per capita per day
gpd	Gallons per day
LUST	Leaking Underground Storage Tank
MAP	Metro Air Park
MG	Million gallons
mgd	Million gallons per day
mg/L	Milligrams per liter
MOU	Memorandum of Understanding
MTBE	Methyl-tertiary butyl ether
NDMA	n-nitrosodimethylamine
NIE	Newspaper in Education Program
NWTP	Natomas Water Treatment Plant
Ordinance	Inclusionary Housing Ordinance
PCE	Tetrachloroethene
PG&E	Pacific Gas and Electric Company
POU	Place of Use
PSA	Purveyor Specific Agreement
RWA	Regional Water Authority
RWMP	Regional Water Master Plan
RWQCB	Regional Water Quality Control Board
SACOG	Sacramento Area Council of Governments
SAFCA	Sacramento Area Flood Control Agency
SCWA	Sacramento County Water Agency
SGA	Sacramento Groundwater Authority
SGA GWMP	Sacramento Groundwater Authority Groundwater Management Plan
SMUD	Sacramento Municipal Utility District
SMWA	Sacramento Metropolitan Water Authority
SRCSD	Sacramento Regional County Sanitation District
SRWTP	Sacramento River Water Treatment Plant



SRWWTP	Sacramento Regional Wastewater Treatment Plant
SSS	Separated Sewer System
SSWD	Sacramento Suburban Water District
TCE	Trichloroethene
TDS	Total Dissolved Solids
UAFW	Unaccounted-for Water
UARP	Upper American River Project
ULFT	Ultra Low Flush Toilet
UWMP	Urban Water Management Plan
UWMP Act	Urban Water Management Planning Act; enacted in 1983; establishes requirements for a UWMP
WFA	Water Forum Agreement
WMP	Water Master Plan
WRCC	Western Regional Climate Center
WRF	Water Reclamation Facility
WRMP	Water Recycling Master Plan
WYA	West Yost Associates; preparer of this UWMP
Zone 40	Sacramento County Water Agency Zone 40
Zone 50	Sacramento County Water Agency Zone 50