

State of California  
The Resources Agency  
Department of Water Resources

# California Water Plan Update 2005

*A Framework for Action*

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## Foreword

This is not just another update of the California Water Plan. As the first update of the 21st century, it represents a fundamental shift in how people look at water resources management. It recognizes the need for a comprehensive approach and the need to work cooperatively in order to succeed in managing the state's water resources. It looks at water as a resource whose management involves many responsibilities and raises many issues. It recognizes that there are no silver bullets for managing water.

Past updates assessed California's water needs, evaluated water supplies, and tried to quantify a gap between them. For the first time, the state's water plan includes a strategic plan with goals, recommendations, and actions for meeting the challenges of sustainable water uses and reliable water supplies in the face of uncertainty. This water plan describes short-term and long-term actions that can be implemented at the state and regional level, and it identifies a portfolio of 25 resource management strategies that can be used to sustain California's communities, economy, and environment. It is a roadmap for meeting our water demands of 2030.

Integrated regional water management is the future for California. It ensures that regions prepare for uncertainties by diversifying their water portfolios with multiple strategies. It ensures that we pursue water management that includes a wide range of local objectives and strives to meet all future water demands--urban, agricultural, and environmental. Integrated regional programs are most successful in providing reliable water supplies when they use water efficiently, protect water quality, and restore the environment.

California still depends on vast statewide water management systems that include physical facilities and statewide water management programs. With maintenance, rehabilitation, and improvements, these systems can continue to provide clean and affordable water, protect lives and property from flooding, withstand drought, and sustain our environmental values.

California Water Plan Update 2005 is the product of a collaborative process that brought together the Department of Water Resources, a 65-member advisory committee representing urban, agricultural, and environmental interests, a 350-member extended review forum, and 2,000 interested members of the public. The result is a plan that includes the very best ideas for meeting our water challenges.

The conclusion of this water plan is clear: Californians can meet their water demands through the year 2030 by making the right choices and investments. The Department of Water Resources will work with State policymakers, local and regional entities, and others to take the actions needed to meet the state's water needs now and in the years to come.



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## Acknowledgment

In 2001, the Department of Water Resources sought to make the California Water Plan more useful to its traditional users and of value to a broader audience. The undertaking required an open, fair, and transparent process that embraced ideas from all California's communities: State and federal, regional and local agencies, agriculture and municipalities, industry and business, environmental groups, tribal interests and other traditionally underrepresented groups, and the general public. Names of the many participants appear on the lists before and after this acknowledgement. DWR regrets if any name has been inadvertently left off. This water plan update was truly a team accomplishment.

The success of this water plan update is owed to the countless individuals who generously shared their talents and expertise during this long and sometimes arduous process. Because of the many years that it took to develop this water plan update, many dedicated individuals, through retirement or other circumstances, could not stay involved until completion of the project—including former chief deputy director Steve Macaulay, former deputy directors Jonas Minton and Lucinda Chipponeri, and former division chief Naser Bateni. The contributions of all these participants have been significant to the final document.

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## Acronyms and Abbreviations

CalEPA	California Environmental Protection Agency
CEQA	California Environmental Quality Act
CVPIA	Central Valley Project Improvement Act
CWEMF	California Water and Environmental Modeling Forum
DFG	California Department of Fish and Game
DOF	California Department of Finance
DRMS	Delta Risk Management Strategy
DWR	California Department of Water Resources
EGPR	Environmental Goals and Policy Report
IEPR	Integrated Energy Policy Reports
EIS/EIR	Environmental impact statement/environmental impact report
EWA	Environmental Water Account
FERC	Federal Energy Regulatory Commission
GATS	General Agreement on Trade Services
GHG	greenhouse gas
IEUA	Inland Empire Utilities Agency
IOU	investor-owned utility
IPCC	Intergovernmental Panel on Climate Change
IRWM	Integrated regional water management
ISI	Integrated Storage Investigations Program
LORP	Lower Owens River Project
NEPA	National Environmental Policy Act
NOAA	National Marine Fisheries Service
OCWD	Orange County Water District
OPR	(Governor's) Office of Planning and Research
PIER	Public Interest Energy Research Program
QSA	Quantification Settlement Agreement
RD&D	research, development, and demonstration
ROD	Record of Decision
SAWPA	Santa Ana Watershed Project Authority
SBVMWD	San Bernardino Valley Municipal Water District
SCADA	Supervisory Control and Data Acquisition
SJRMP	San Joaquin River Management Program
SVWM	Sacramento Valley Water Management Program
SWRCB	State Water Resources Control Board
TROA	Truckee River Operating Agreement
TRPA	Tahoe Regional Planning Agency
UFP	Unified Federal Policy
USBR	US Bureau of Reclamation
UWMP	Urban Water Management Plan
WMWD	Western Municipal Water District
WQCP	Water Quality Control Plan
WTO	World Trade Organization