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DEPARTMENT • OF • WATER • RESOURCES
CALIFORNIA WATER PLAN
◆ UPDATE 2005 ◆

Final California Water Plan Update 2005

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Secretary's Message



Secretary Mike Chrisman, Resources Agency



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Director's Message

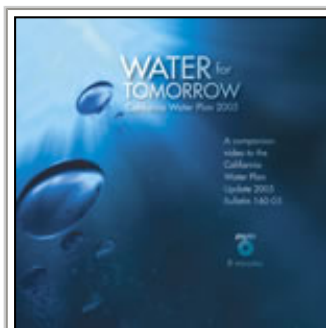
"This is not just another update of the California Water Plan. Update 2005 represents a fundamental transition in how we look at water resource management in California. It also represents a fundamental transition in the way state government needs to be involved with local entities and interest groups to deal with water issues in the state."



Director Lester A. Snow
Water Resources

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Introductory Video (8 minutes) "Water for Tomorrow"



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05	Implementation Plan	 (1.34 KB)
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07	Drinking Water Treatment and Distribution	 (250 KB)
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09	Ecosystem Restoration	 (236 KB)
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18	Surface Storage -- Regional/Local	 (269 KB)
19	System Reoperation	 (271 KB)
20	Urban Land Use Management	 (233 KB)
21	Urban Runoff Management	 (267 KB)
22	Urban Water Use Efficiency	 (537 KB)
23	Water Transfers	 (389 KB)

24	Water-Dependent Recreation	 (255 KB)
25	Watershed Management	 (288 KB)
26	Other Strategies	 (214 KB)
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Introduction	Introduction	 (134 KB)
Background	Cover	 (33 KB)
	The Advisory Committee View (by the California Water Plan Update 2005 Public Advisory Committee)	 (114 KB)
	Bay Delta Standards Contained in D-1641	 (126 KB)
	A California Water Chronology (by the Water Education Foundation)	 (75 KB)

Crop Water Use	A Look Back at Past California Water Plans	 (91 KB)
	Selected Task Force and Advisory Panels	 (86 KB)
	Selected Water Prices in California	 (99 KB)
	Water Allocation, Use and Regulation in California	 (196 KB)
	What's So Special About Special Districts? A Citizen's Guide to Special Districts in California (Third Edition) (by Kimia Mizany and April Manatt, CA Senate Local Government Committee)	 (629 KB)
	Cover	 (34 KB)
	Introduction (by Scott Matyac, DWR)	 (90 KB)
	The Amount of Water We Eat (by John Letey and David Birkle. Originally published in <i>Currents</i> , A Newsletter of the University of California Water Resources Center, Winter 2003, Volume 4, Issue 1)	 (80 KB)
	Central Valley Crop Classification Processing Using Remote Sensing and GIS Technologies (by Jeff Milliken, Mariette Shin, David Hansen, Charles Johnson, Michael Sebhat, Joel Zander - USBR Mid Pacific Region)	 (435 KB)
	CUP (Consumptive Use Program) Model (by Morteza Orang, Richard Snyder, Scott Matyac, DWR and UC Davis)	 (383 KB)
	Evaporation Research -- A Review and Interpretation (by C.M. Burt, A.J. Mutziger, R.G. Allen, and T.A. Howell)	 (300 KB)
	Evapotranspiration and Relative Contribution by the Soil and the Plant (by Theodore Hsiao and Liukang Xu, UC Davis)	 (763 KB)
	Evapotranspiration from a Satellite-Based Surface Energy Balance for the Snake Plain Aquifer in Idaho (by Richard G. Allen, Anthony Morse, Masahiro Tasumi, Ricardo Trezza, Wim Bastiaanssen, James L. Wright, and William Kramber)	 (309 KB)
	Limits to the Productivity of Water in Crop Production (by Andrew Keller and David Seckler)	 (400 KB)

Crop Water Use	Model for Estimating Evaporation and Transpiration from Row Crops (by Francesca Ventura, Ben A. Faber, Khaled M. Bali, Richard L. Snyder, Donatella Spano, Pierpaolo Duce, and Kurt F. Schulbach) Originally published in Journal of Irrigation and Drainage Engineering, American Society of Civil Engineers. Nov/Dec 2001. Obtained from WWW.PUBS.ASCE.ORG.	 (1.87 MB)
	The Promise of Regulated Deficit Irrigation in California's Orchards and Vineyards (by David Goldhamer and Elias Fereres, UC Davis, IAS-CSIC and University of Cordoba, Spain)	 (135 KB)

	SIMETAW (Simulation of Evapotranspiration of Applied Water) (by Richard Snyder, Morteza Orang, Shu Geng, Scott Matyac and Sara Sarreshteh, UC Davis and DWR)	 (492 KB)
Data and Analytical Tools	Cover	 (32 KB)
	California 2030: An Efficient Future, Executive Summary, September 2005 (by Peter H. Gleick and Heather Cooley, Pacific Institute for Studies in Development, Environment, and Security, and David Groves, Pardee RAND Graduate School)	 (217 KB)
	Future Quantitative Analysis for California Water Planning (by Ken Kirby, Active Curiosity Inc.)	 (140 KB)
	Improving Analytical Procedures Used to Describe Future Water Conditions for the California Water Plan	 (140 KB)
	Recommended Next Steps for Improving Quantitative Information for the California Water Plan	 (125 KB)
	Quantified Scenarios of 2030 Water Demand (by David Groves, Pardee RAND Graduate School, and Scott Matyac and Tom Hawkins, DWR)	 (2.84 MB)
	A Strategic Analysis Framework for Managing Water in California. September 2005 (by California Water and Environment Modeling Forum)	 (359 KB)
	Survey of Irrigation Methods in California in 2001 (by Morteza Orang, Richard Snyder and Scott Matyac, DWR and UC Davis)	 (388 KB)
Environment	Cover	 (212 KB)
	Applying the Public Trust Doctrine to River Protection (by Jan S. Stevens)	 (112 KB)
	Considering Water Use Efficiency for the Environmental Sector (by Jeff Deason, Jessica Fast, Lisa Schroeer, Brian Turner and Renske van Staveren, UC Berkeley)	 (665 KB)
	Managed Environmental Water Use Efficiency - Evidence in Practice (by Loida Begley, Karin Edwards, Sarah Heard and Lisa Walling, UC Berkeley, May 2006)	 (427 KB)
	Recommendations Regarding Scenarios and Application of Environmental Water "Demands" in the State Water Plan Update & Quantification of Unmet Environmental Objectives in State Water Plan 2003 Using Actual Flow Data for 1998, 2000, and 2001 (by Environmental Defense)	 (144 KB)
Environmental Justice	Cover	 (27 KB)
	Environmental Justice in California Government (by Governor's Office of Planning and Research)	 (2.38 MB)

	General Plan Guidelines Chapter 2: Sustainable Development and Environmental Justice (by Governor's Office of Planning and Research)	 (335 KB)
Global Climate Change	Cover	 (27 KB)
	Climate Change and California Water Resources: A Survey and Summary of the Literature (by Michael Kiparsky and Peter H. Gleick, Pacific Institute for Studies in Development, Environment, and Security)	 (1.42 MB)
	Accounting For Climate Change (by Maurice Roos, DWR)	 (398 KB)
Hydrology	Cover	 (23 KB)
	California River Indices	 (90 KB)
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	Major Floods Since 1950	 (64 KB)
	Severity of Extreme Droughts in Sacramento and San Joaquin Valley	 (65 KB)
Infrastructure	Cover	 (26 KB)
	California's Major Water Projects	 (143 KB)
	California Reservoir Summary	 (122 KB)
	CALFED Bay-Delta Surface Storage Investigations Progress Report, April 2005 (by DWR, USBR, and California Bay-Delta Authority)	 (1.03 MB)
	Hydropower Projects Relicensing	 (85 KB)
Landscape Water Use	Cover	 (27 KB)
	Urban Landscape Evapotranspiration (by Richard L. Snyder, University of California, Atmospheric Science, Davis, California, and Simon Eching, DWR)	 (71 KB)
	Vegetative Assessment in an Urban Environment (by Alan Walters, Agricast)	 (843 KB)
	Cover	 (KB)
	The Brown Act: Open Meetings for Local Legislative Bodies (by California Attorney General's Office)	 (1.22 MB)

Legislation	A Handy Guide to the Bagley-Keene Open Meeting Act 2004 (by California Attorney General's Office)	 (429 KB)
	Recent Water Legislation (by DWR Legislative Affairs Office)	 (207 KB)
	Water Bonds	 (97 KB)
	Water Plan Legislation	 (187 KB)
	Work Plan for Meeting Legal Requirements for the California Water Plan	 (259 KB)
Litigation	Cover	 (45 KB)
	Joint Statement on the Monterey Amendments Litigation (by DWR, Central Coast Water Authority, State Water Contractors, Planning and Conservation League, Plumas County Flood Control and Water Conservation District, and the Citizens' Planning Association of Santa Barbara County)	 (138 KB)
	Summary of Significant Litigation 1998 - 2005 (by DWR, Office of Chief Counsel)	 (205 KB)
Planning	Cover	 (29 KB)
	"Addressing California's Uncertain Water Future by Coordinating Long-Term Land Use and Water Planning: Is a Water Element in the General Plan the Next Step?" (by Ryan Waterman. Originally published in Ecology Law Quarterly, Volume 31, Issue 1 at page 117, Copyright (c) 2004 by the Regents of the University of California.)	 (509 KB)
	Customer & Stake Holders Survey for CWP Update 2003	 (189 KB)
	Financing Strategies and Guidelines for Funding Water Resource Projects (by David Kracman, The Flatwater Group)	 (105 KB)
	Future Food Production and Consumption in California Under Alternative Scenarios (by Henrich Brunke, Richard Howitt and Daniel Sumner, University of California Agricultural Issues Center)	 (151 KB)
	Future Scenarios Presented in Water Plan Update 2005	 (207 KB)
	Involving Stakeholders In Irrigation and Drainage District Decisions: Who, What, When, Where, Why, How (by Lisa Beutler, Center for Collaborative Policy, California State University, Sacramento)	 (86 KB)
	Planning For Extreme and Prolonged Drought Conditions	 (86 KB)
	Planning Framework for Water Plan Update (by Lisa Beutler and David Sumi, Center for Collaborative Policy, California State University, Sacramento)	 (77 KB)

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	Early California Laws and Policies Related to California Indians	 (1.90 MB)
	Tribal Consultation Guidelines, Supplement to General Plan Guidelines (by Governor's Office of Planning and Research)	 (698 KB)
Water Quality	Cover	 (27 KB)
	California Nonpoint Source Encyclopedia (prepared for SWRCB, by Tetra Tech, Inc.)	 (3.31 MB)
	Californians Without Safe Water: A 2005 Update (by Monique Wilber)	 (1.13 MB)
	California Water Quality, 2004 (written and edited by John Andrew, DWR)	 (425 KB)
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Volume 5: Technical Guide

<http://www.waterplan.water.ca.gov/technical/index.cfm>

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Errata Sheet Corrections

NOTE:	The electronic files on this Web site have been corrected, but the printed copies and/or CD-ROM previously distributed have not been corrected.	
1	Volume 3, Chapter 3 - pg. 3-3, Figure 3-2- Population Growth is plotted incorrectly.	Corrected Fig. 3-2

2	Volume 4 - Background section, " <i>The Advisory Committee View</i> " -pg. 2, first sentence-change "eight" to "eighth".	Corrected pg. 2
3	Volume 4 - Water Quality section, " <i>California Water Quality, 2004</i> " -pg. 18 is blank/missing from CD-ROM text.	Corrected pg. 18
4	Volume 4 - Data & Analytical Tools section, " <i>Quantified Scenarios of 2030 Water Demands</i> " -pg. 376, 377 and 378 contain preliminary incorrect data tables. Table 23a, 23b, 24a, 24b, 25a, and 25b have been replaced with final versions.	Final Table 23a,b Final Table 24a,b Final Table 25a,b

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