

California Regional Water Quality Control Board Funding Opportunities

Presented to:

The California Invasive Plant Council
2004 Symposium

October 8, 2004 by Raymond Jay

Today's Presentation

- **An Overview of the RWQCB/SWRCB**
- **Funded Projects Overview**
- **Existing Funding Opportunities**
- **Eligibility Requirements to Qualify for Funding**
- **Items to Consider when Applying for Funding**
- **Overview of Grant Process**
- **Regional Board Priorities for Projects**
- **Questions and Answers**

Welcome to *California*

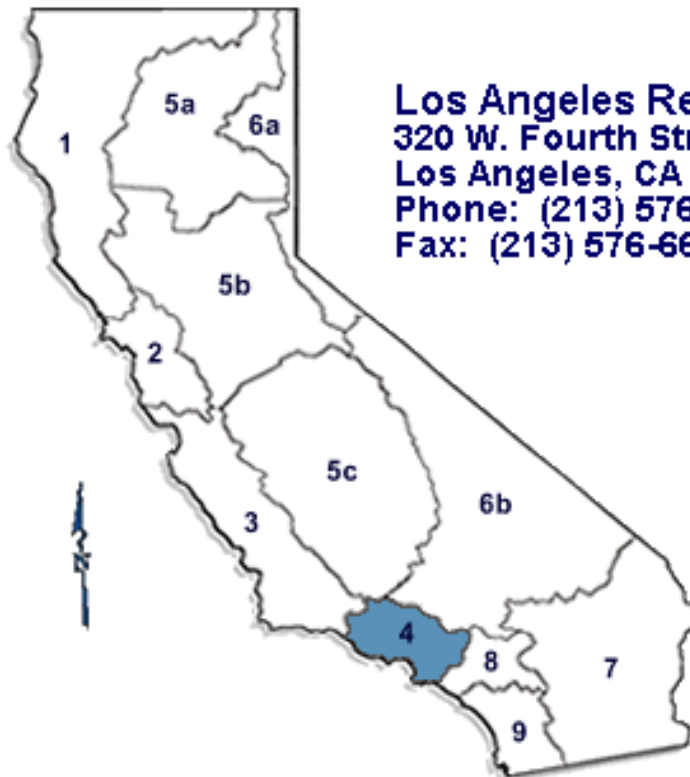


California Environmental Protection Agency
STATE WATER RESOURCES CONTROL BOARD

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Regional Boards



Los Angeles Region (4)
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Mission:

To preserve, enhance and restore the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.



Water Boards

State Water Resources
Control Board
1001 I Street Sacramento,
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Current Invasive Plant Projects

- There are numerous projects already funded to help eradicate numerous types of invasive plants including *Arrundo donax* and *Caulerpa taxifolia*
- Most of the Projects funded through RWQCB are not solely for eradication of invasive plants but for watershed restoration & water quality improvements
- A good source for finding out about these projects is <http://www.swrcb.ca.gov/nps/formsandsummaries.html> or the Natural Resource Projects Inventory at <http://www.ice.ucdavis.edu/nrpi/>

SWRCB/RQWCB Funding Sources

- Proposition 13 - Safe Drinking Water, Clean Water, Watershed Protection, and Flood Protection Bond Act
- Proposition 40 - California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Act of 2002
- Proposition 50 - Water Quality, Supply, and Safe Drinking Water Projects
- Federal Clean Water Act 319 and 205
- State Revolving Fund Loans
- See <http://www.swrcb.ca.gov/funding/index.html> for more details

SWRCB/RQWCB Funding Programs

Non-Point Source Pollution Control Programs:

- CALFED Drinking Water Quality Program Prop 13, Prop 50
- Clean Beaches Initiative Program
- Coastal Nonpoint Source Pollution Control Program Prop 13, Prop 50
- Dairy Water Quality Improvement Grant Program
- Federal Clean Water Act Section 319 Nonpoint Source Implementation Program
- Nonpoint Source Pollution Control Program Prop 13, Prop 40
- Pesticide Research and Identification of Source, and Mitigation (PRISM) Grant Program
- Prop 40 Integrated Watershed Management Program
- Prop 50 Integrated Regional Water Management Program
- Urban Storm Water Grant Program
- Santa Monica Bay Restoration
- State Revolving Fund Loans
- See <http://www.swrcb.ca.gov/funding/index.html> for more details

State Water Resources Control Board

Propositions 40 and 50 Funding Programs¹

Prop	Program	\$ in thousands (appropriated for Prop 40, planned for Prop 50)	New /Ongoing Program	Draft Guidelines/Criteria Released	Public Workshops Held	Final Guidelines/Criteria Issued/Adopted
50 40	Small Community Wastewater	\$30,500 \$14,250	Ongoing Grant multiple cycles priority list	March-04	April-04	June-04
40	Small Community Groundwater	\$9,500	New Grant priority list	October-04	November-04	January-05
	Consolidated Watershed Nonpoint Source (NPS) Grant Program		Ongoing Grant competitive	August-05	September-05	December-05
50	NPS	\$30,500				
50	Coastal NPS	\$33,150				
40	Urban Storm Water	\$14,250				
40	NPS	\$19,000				
40	Integrated Watershed Management	\$47,500				
50	CALFED Drinking Water	\$20,500	Ongoing Grant competitive	COMPLETED 2003 Consolidated Grants		
50 40	Agricultural Water Quality	\$9,500 \$11,400	New Grant competitive	April-04	May-04	July-04
50 40	Clean Beaches	\$19,600 \$43,700	Ongoing Grant CBTF develops priority list	October-04	January-05	March-05
50	Santa Monica Bay Restoration	\$18,000	Ongoing Grant Region 4 administers	COMPLETED		
50	California Ocean Data Observing System	\$7,000	Ongoing Direct Expenditure	Completed	Not Applicable	Not Applicable
50	CALFED Watershed	\$20,000	Ongoing Grant competitive	COMPLETED 2003 Consolidated Grants		
50	CALFED Water Recycling	\$52,000	Ongoing Grant 1st cycle completed priority list	July-04	August-04	November-04
50 40	Comprehensive Groundwater Monitoring	\$45,750 \$6,400	Ongoing Direct Expenditure yearly approp. Anticipated	COMPLETED		
50	Integrated Regional Water Management	\$183,000	New Grant multiple cycles competitive	May-04	June-04	September-04

¹ Dates given are for the first funding cycle where multiple appropriations and funding cycles are planned.

Assumes appropriations, additional \$13 million for coastal available from Prop 50, not allocated to program

Currently Accepting Applications for:

- Agricultural Drainage Loan Program
- Agricultural Drainage Management Loan Program
- Agricultural Water Quality Grant Program (AWQGP)
- Federal Clean Water Act Section 319 Nonpoint Source Implementation Program
- Water Recycling Funding Program (Proposition 50)

Upcoming RFPs and Solicitation:

- Prop 50 Integrated Regional Water Management Program (IRWM)

Agriculture Water Quality Grant Program (AWQGP) Overview

- Provide Grant Funding for Projects that Reduce or Eliminate Non-Point Source (NPS) Pollution from Irrigated Agricultural Lands or Sources Other than Irrigated Agricultural Lands (Section 319 funds) Discharged To Surface Waters
- ~\$35 Million for Implementation and ~\$11 Million for Monitoring
- See AWQGP Solicitation Notice handout for summary
- See AWQGP Guidelines for details at <http://www.swrcb.ca.gov/funding/awqgp/docs/awqgpguidelines.pdf>
- Complete electronic Applications due 11/10/04

Items to Consider when Applying

- **Statewide Competitive Projects**
- **Regional Board Priorities**
- **Project Benefits**
- **Pollutant Load Reductions**
- **Technical And Scientific Merit**
- **Monitoring and Assessment of Project Effectiveness**
- **Community Involvement**
- **Cost and Financial Feasibility**
- **Service to Disadvantaged Communities, and Qualifications of Applicant and Partners**

Priorities for the AGWQP Grant

Project/Activity Type and Description

Watershed

San Gabriel River	Los Angeles River	Santa Monica Bay	Ventura River	Calleguas Creek	Santa Clara River	Misc. Ventura Coast	Dominguez/Harbor	Los Cerritos/Harbor	Region-wide
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Monitoring Projects (Prop 40)

Implement Ag waiver monitoring program
Implement biological & toxicity monitoring
Quantify & Characterize crop or practice specific pollutant loading contributions (i.e. strawberries or nurseries)
Quantify & Characterize existing Agriculture MM
Investigate toxicity from Agriculture loading
Quantify & Characterize tile drains
Quantify & Characterize Sediment loading
Quantify & Characterize Nitrogen loading
Quantify & Characterize Irrigation Practices
Quantify & Characterize Pesticide Application Rates
Quantify & Characterize chlorpyrifos and diazinon loading
Quantify & Characterize DDT, Chem A, and toxaphene loading
Quantify & Characterize organics and/or metals loading
Quantify & Characterize salt loading

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				C					

Implementation Projects (Prop 50 & CWA 319)

Implement TMDLs & projects supporting TMDLs
Implement Ag waiver BMP program
Implement Integrated Farm Management Plans
Implement Erosion and Sediment Control Management Measures*
Implement agricultural buffer BMPs
Implement Nutrient Management Measures*
Implement Pesticide Management Measures*
Implement chlorpyrifos and diazinon loading control measures
Implement Integrated Pest Management Practices
Implement Irrigation Management Measures*
Implement salt loading control measures
Water Conservation Management Measures
Implement Agriculture Management Measures Education/Outreach*
Protection & enhancement of wildlife habitat
Develop non-point pollution control strategies (319)
Conduct activities to increase public awareness of nonpoint source pollution and the related solutions available
Implement Pollutant mapping on real time basis

									A
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C=highly ranked projects; B=higher ranked projects; A=highest ranked projects

*See the web sites below for more details on Agriculture Management Measures.

<http://www.epa.gov/owow/nps/MMGI/Chapter2/index.html>

Summary of AWQGP and Section 319 Program Requirements

Requirement	Implementation Projects	Monitoring Projects	Comments
Funding Source	Proposition 50 & CWA Section 319	Proposition 40	<ul style="list-style-type: none"> SWRCB staff will determine funding source for Implementation Projects.
Grant Maximum	\$1,000,000	\$500,000	<ul style="list-style-type: none"> Grant amounts may be reduced based on the technical review of the submitted proposals.
Matching Funds	20% of the total project cost	50% of the total project cost	<ul style="list-style-type: none"> Private, local, or Federal funds only. State agencies may use State funds or services for match. In-kind services are acceptable. Match may be waived for a disadvantaged community.
Eligible Applicants	Public Agencies & Nonprofit Organizations	Public Agencies & Nonprofit Organizations	<ul style="list-style-type: none"> Applicants that are not public entities must verify that they are a non-profit organization if their project is selected for funding.
Project Type	Reduce or eliminate discharge of polluted runoff from irrigated agricultural lands. Projects addressing other sources are also eligible for Section 319 funds	Define and identify the source of water quality problems related to discharges from irrigated agricultural lands.	<ul style="list-style-type: none"> \$29.5 million in Proposition 50 funds are available for irrigated agricultural Implementation Projects. Approximately \$5.5 million of CWA Section 319 funds are available for nonpoint source Implementation Projects. \$11.4 million in Proposition 40 funds are available for irrigated agricultural Project Planning Monitoring Projects.
Compliance with Labor Code Provisions	Required	Required	<ul style="list-style-type: none"> All public works projects that hire labor performed under contract must not pay less than the general prevailing rate to those workers (required by Labor Code section 1771) For public works projects funded by Proposition 50, the body awarding a contract must adopt and enforce a labor compliance program (required by Labor Code section 1771.8) to ensure the payment of prevailing wage.
California Bay Delta Authority (CALFED) Record of Decision (ROD) Consistency	Required for projects within the CALFED solution area that are funded by Proposition 50	Not required	<ul style="list-style-type: none"> Implementation of agricultural management practices was adopted as a mitigation measure in the CALFED Record of Decision (ROD). See Attachment 1.VI Section 5.3 of the CALFED Programmatic ROD (Page 140 of 846). Applicants do not need to document this requirement. CALFED staff will verify this requirement during review of applicable project proposals.
Watershed-Based Plans	Required	Not required	<ul style="list-style-type: none"> RWQCB staff will verify consistency with watershed-based plans during review of applicable project proposals.
Total Maximum Daily Loads (TMDLs) Implementation	Required	Not required	<ul style="list-style-type: none"> Implementing TMDLs (existing or under development) is a requirement for Section 319 projects. RWQCB staff will verify consistency with identified TMDLs during review of applicable project proposals.
Project Assessment & Evaluation Plan (PAEP)	Required	Required	<ul style="list-style-type: none"> Proposal must include a task to develop a PAEP. In "Project Effectiveness" of the proposal describe how project effectiveness will be demonstrated and reported, consistent with the PAEP. Identify relevant parameters, such as number of BMPs installed, pollution load reductions achieved, number of participating growers, acres of land treated, etc. Implementation projects that are designed to achieve pollution load and/or concentration reductions must report annual pollutant load reductions based either on monitoring or estimations.

Summary of AWQGP and Section 319 Program Requirements, continued

Water Quality Monitoring Plan	Required if there is a monitoring component	Required	<ul style="list-style-type: none"> Applicants may use an existing monitoring plan, if applicable. Proposal should include a task to develop a monitoring plan, if there is not an existing plan. Include plan development in "Project Description" and in the Project Budget Form.
Quality Assurance Program Plan (QAPP)	Required if there is a monitoring component	Required	<ul style="list-style-type: none"> The QAPP must be consistent with the Surface Water Ambient Monitoring Program (SWAMP), see http://www.swrcb.ca.gov/swamp/ for more information. Can use an existing QAPP, if applicable. Include plan development in "Project Description" and in the Project Budget Form.

Integrated Regional Water Management Program Grants (IRWM)

- Encourage integrated regional strategies for projects that protect communities from drought, protect and improve water quality, and improve local water security by reducing dependence on imported water
- Implemented jointly by Department of Water Resources & State Water Resources Control Board
- \$160 Million for Implementation and \$10 Million for Planning and ~\$220 million in future funding cycles
- See Draft IRWM Guidelines for details at http://www.grantsloans.water.ca.gov/docs/Prop_50_Chap_8_IRWM_Guidelines_Public_Draft_081604.pdf
- Solicitation notice expected by December 2004

Eligible Project Elements

- Water supply reliability, water conservation, & water use efficiency
- Storm water capture, storage, treatment, & management
- **Removal of invasive non-native plants**, the creation & enhancement of wetlands, & the acquisition, protection, & restoration of open space and watershed lands

Eligible Project Elements

- Non-point source pollution reduction, management, & monitoring
- Groundwater recharge & management projects
- Contaminant and salt removal
- Water banking, exchange, reclamation, & improvement of water quality

Eligible Project Elements

- Planning & implementation of multipurpose flood control programs
- Watershed management planning & implementation
- Demonstration projects for new drinking water treatment & distribution methods

Program Requirements

- Joint DWR-SWRCB process
- Guidelines Development
- 40%-40% geographic split
- Funding Cap – \$50 million/project
- Consistent with an adopted IRWM Plan
- Matching funds required
- Compliance with CEQA
- Consistency with CALFED ROD, as applicable



Legend

- Northern California
- Southern California

IRWM Plans

- DWR establish standards for adopted IRWM plans
- DWR may waive consistency with adopted plan
 - Until January 1, 2007
 - Applicant engaged in development of a plan
 - Indicates how project help achieve plan objectives
- SWRCB may not waive consistency with adopted plan

IRWM Plans

DWR Elements

- Address the major water related objectives and conflicts of the watersheds in the region covered by the plan, including water supply, groundwater management, ecosystem restoration, and water quality elements, and may include other elements

IRWM Plans

SWRCB Elements

- Designed to improve regional water supply reliability, water recycling, water conservation, water quality improvement, storm water capture and management, flood management, recreation and access, wetlands enhancement and creation, and environmental and habitat protection and improvement

IRWM Act of 2000

- Regional projects or programs that improve:
 - source water quality,
 - improve drinking water quality,
 - provide flood protection,
 - improve levee stability,
 - provide water supply reliability,

IRWM Act of 2000

- Regional projects or programs that improve:
 - increase agricultural, domestic, or environmental water supply,
 - improve the quality or quantity of groundwater,
 - protect watersheds for the purposes of improving water quality or water quantity, or
 - undertake environmental mitigation, restoration, or enhancement

SWRCB Requirements

- Preference given to:
 - projects that contribute to long-term attainment of water quality standards
 - projects that eliminate or significantly reduce pollution into impaired waters and sensitive habitat areas
- Monitoring component for integration of data into statewide monitoring efforts

SWRCB Requirements

- \$50 Million set-aside to establish comprehensive groundwater monitoring program
- Fund 1 or more Integrated Coastal Watershed Management Plans
 - Shall allow integration of projects funded by State Coastal Conservancy
 - Shall influence water quality in areas of special biological significance
- Consistency with the Integrated Watershed Management Program

Grant Process

- Development of Guidelines and Solicitation Notice
- Solicitation of Funding
- Selection Process
- Preparation of Grant
- Management of Grant
- Demonstration of Water Quality Improvements

Potential Evaluation Criteria

- Quality of IRWM Plan
- Consistency with IRWM Plan
- Technical Adequacy
- Multiple benefits/multiple objectives
- Consistency with statewide/regional priorities
- Cost sharing/matching funds
- Cost effectiveness
- Readiness to proceed

Potential Evaluation Criteria

- Public participation/Stakeholder outreach
- Environmental Justice
- Need for the project
- Monitoring, Assessment, & Performance Measures
- Durability/Long-term O&M
- Relative importance of various criteria

Web Sites

- Department of Water Resources

<http://www.water.ca.gov/grants-loans/>

- State Water Resources Control Board

<http://www.swrcb.ca.gov/funding/irwmgp/index.html>

Question & Answer Period