

Public Workshop

2013 Guidelines and Proposal Solicitation Package

On-Farm Drainage Management and Harvesting of Salts

Drainage Reuse Grant Program



June 11, 2013 – Modesto

June 13, 2013 – Fresno

**Implemented jointly by:
Department of Water Resources
Department of Food and Agriculture**



**CALIFORNIA DEPARTMENT OF
FOOD AND AGRICULTURE**

Purpose of Workshop

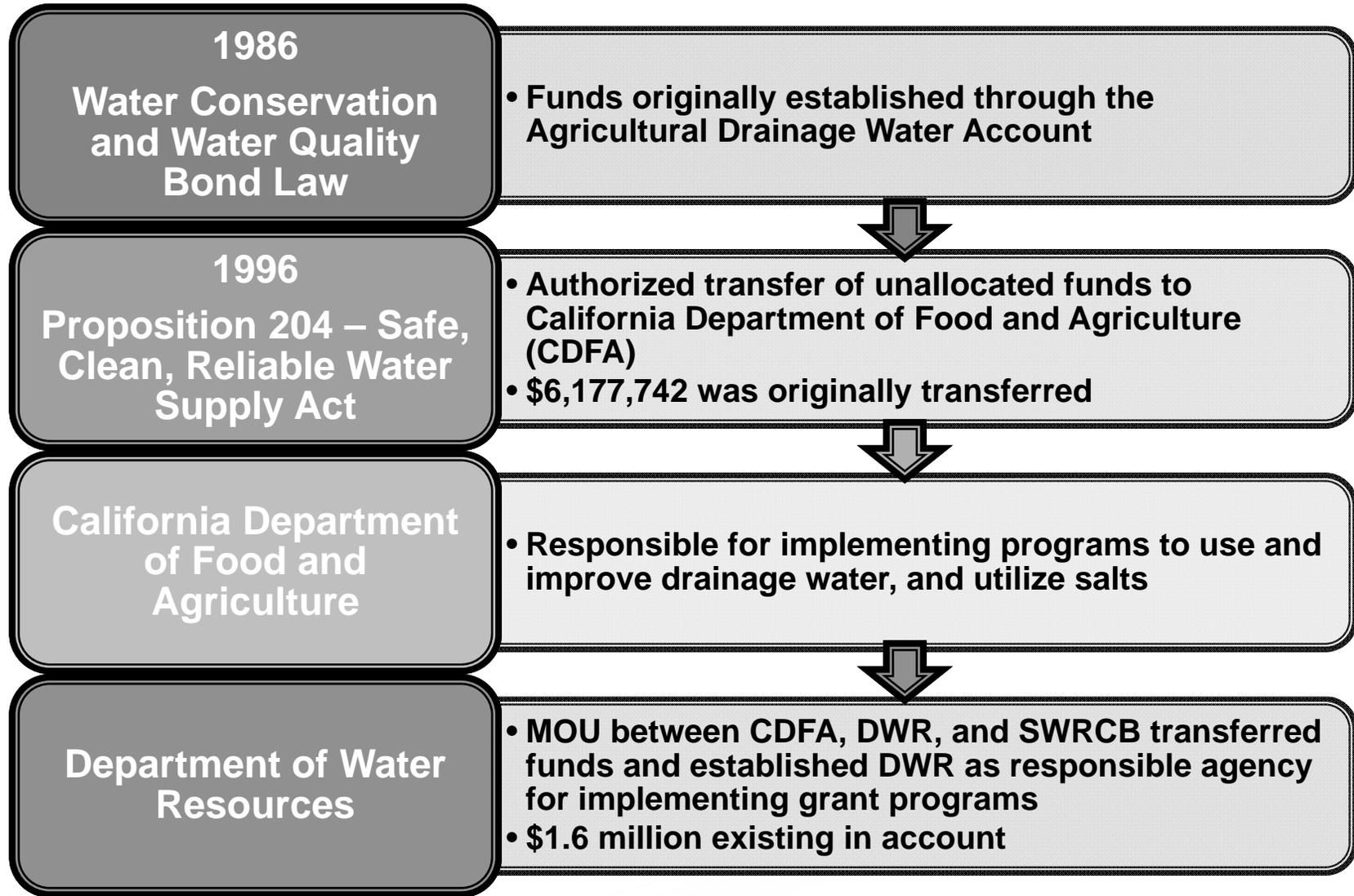
- Describe components of Draft Guidelines and Proposal Solicitation Package
- Solicit public input and feedback on the draft Guidelines/PSP
- Invite written comments
 - Comments due Thurs. June 27, 2013

Agenda

- Guidelines
 - Background
 - Objectives of Drainage Reuse Grant Program
 - Eligible Projects and Applicants
 - Grant Amounts
 - Program Requirements
 - Technical Review
- Proposal Solicitation Package
 - Application and Submittal Process
 - Scoring Criteria
- Comments and Questions

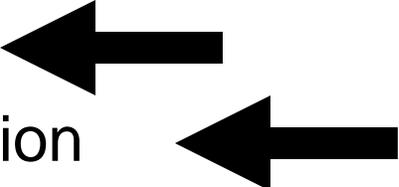
Guidelines

Background - History



Background

- Over 40 projects have been funded by Prop 204

 - Investigations have included:
 - ✓ Drainage reuse
 - ✓ Source reduction
 - Drainage treatment
 - Salt separation & utilization
- 

Background

The screenshot shows a web browser window displaying the California Department of Water Resources website. The page title is "San Joaquin Valley Agricultural Drainage". The navigation menu includes "Home", "Newsroom", "Flood & Safety", "Planning", "State Water Project", "Funding", "Environment", "Supply & Use", and "Data". The main content area is titled "INFORMATION ABOUT" and features a "Monitoring & History" section. A callout box with a black border and white background points to the URL www.water.ca.gov/drainage. The callout text reads: "More information on past projects on website: www.water.ca.gov/drainage".

AGRICULTURAL DRAINAGE

- Home
- Tile Drainage Data
- Shallow Groundwater & Electrical Conductivity
- Integrated On-Farm Drainage Management (IFDM)
 - Downloads & Exhibits
- Proposition 204
 - Proposal Solicitation
 - Drainage Reuse
 - Drainage Treatment
 - Salt Separation & Utilization
 - Source Reduction
- Treatment Projects
- Useful Information
- Related Links
- Publications

DWR RELATED LINKS

- Desalination
- Water Quality

INFORMATION ABOUT

Drainage | Data & Maps | IFDM | Prop 204 | Treatment Projects

Monitoring & History

The San Joaquin Valley has some of the most productive agricultural lands in the world. However, much of the west side of the Valley is plagued by poor subsurface drainage conditions that impact crop productivity. Effective subsurface drainage management is essential to prevent excessive shallow groundwater conditions and the accumulation of salts in the root zones. Monitoring of shallow groundwater and agricultural drainage water is an integral activity to determining the effectiveness of management practices.

Drainage
The Agricultural Drainage Program collects, evaluates, reports information and conducts studies and demonstration projects focusing on drainage problems in the San Joaquin Valley. The resulting data and information on agricultural drainage issues enable better definition of drainage problems and lead to implementation of management plans.

Integrated Drainage Management
Integrated On-Farm Drainage Management (IFDM) is a state-of-the-art management system that provides for drainage water reuse to improve water availability for crop production and to minimize salt and selenium risks to water quality and the environment.

Desalination
Provide technical assistance concerning desalination and advanced treatment of brackish agricultural wastewaters - including process selection, economic factors, operations and maintenance, environmental requirements, and pilot treatment

Proposition 204
Under The [Safe, Clean, Reliable Water Supply Act](#), the Department seeks to develop methods of using and concentrating salts, and reducing contaminants in the State's subsurface agricultural drainage water by soliciting proposals

Objectives of the Drainage Reuse Grant Program

- There are 3 primary objectives of the program
 1. Demonstrate the feasibility, acceptability, and cost effectiveness of drainage reuse, reduction of toxic constituents, and salt concentration methods.
 2. Identify areas where improved irrigation and drainage management technologies are cost effective alternatives for controlling agricultural drainage problems.
 3. Identify, investigate, and implement new technologies that facilitate the implementation of drainage source reduction through use of drainage water and/or its constituents.

Eligible Projects - Examples

Source Reduction

- Irrigation management
- Using/improving plants as biological interceptors
- Regulating drain flows

Drainage Reuse

- Identifying suitable plants/trees for reuse
- Reusing drainage water on salt-tolerant and halophytic plants
- Developing other opportunities for reuse

Drainage Treatment

- Removing selenium and toxic elements using accumulating/volatilizing salt-tolerant plants and trees

Salt Separation & Utilization

- Developing markets for harvested salts from drainage water
- Developing markets for salt-tolerant, halophytic, and trace element accumulating plant products

Eligible Projects - Preferences

- Preference will be given to projects that:
 - Develop methods to concentrate and harvest salts and toxic elements from drainage water,
 - Develop desalination technologies for reclamation of subsurface agricultural drainage water and brackish groundwater,
 - Utilize concentrate from desalination processes for recycling of salts (i.e., gypsum, sodium sulfate, magnesium and calcium chlorides, etc.)

Eligible Applicants

- Public Agencies

- Cities
- Counties
- Districts
- Joint Powers Authorities
- Universities
- Other political subdivisions of the State

Program Requirements

- General
 - DWR will consider only applications received as a part of this solicitation for this funding cycle
- Conflict of Interest
 - Participants are subject to State and Federal conflict of interest laws
 - Failure to comply will result in voided contracts

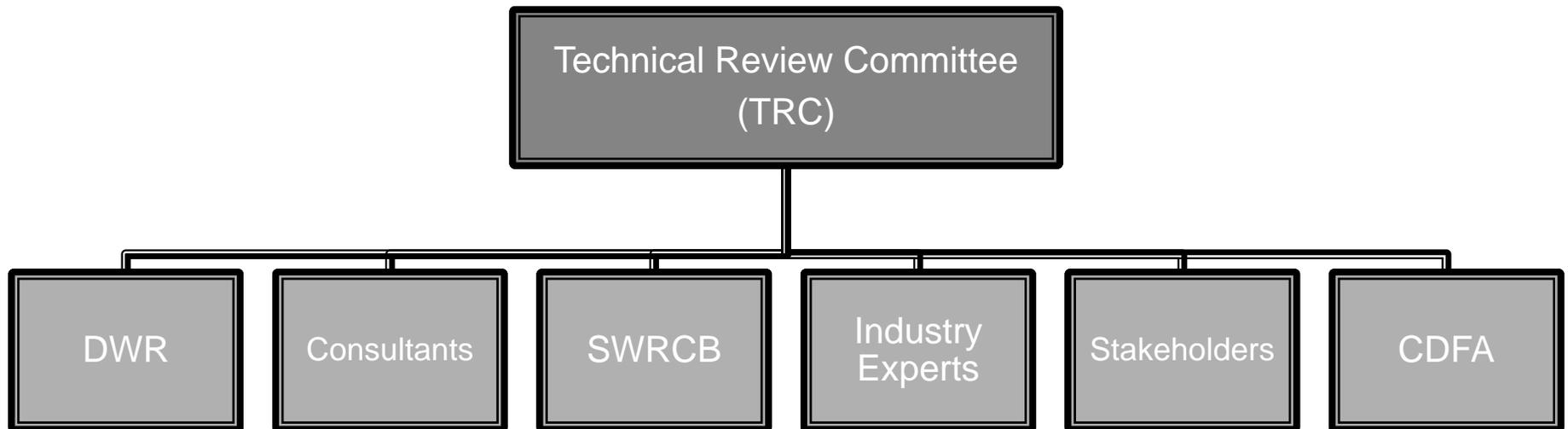
Program Requirements

- Labor Code Compliance
 - Grantee must comply with CA Labor code (CLC) requirements, including, but not limited to, Section 1720 et seq. of the CLC regarding public works, limitations on use of volunteer labor (California Labor Code Section 1720.4), labor compliance programs (CLC Section 1771.5) and payment of prevailing wages for work done and funded pursuant to these guidelines.

CEQA Requirements

Technical Review Process

- Technical Review Committee (TRC)
 - Comprised of representatives from the staff of the San Joaquin Valley Drainage Implementation Program agencies and others



Technical Review Process

- Technical Review Committee (TRC)
- Individual, Consensus, and Management Reviews



Technical Review/Evaluation

- All applications will undergo eligibility and completeness review for the required items listed in the PSP
- Only complete applications will be reviewed or considered for funding

Proposal Solicitation Package (PSP)

Grant Amounts

- FY 2013-2014 Total Budget: \$750,000
- Maximum amount per eligible grant recipient for a specified project: \$200,000 per project
- Project time limit is two (2) years

Cost Share

- Is a cost share required?
 - No cost share is required for this round of Prop 204 funding
 - If an awarded project costs more than the grant amount, grantees are required to show cost share documentation
 - Cost sharing can be used as tie-breaker if necessary

How to Apply for a Grant

- After public comments have been incorporated and Final Guidelines/PSP has been issued...
- Complete proposals due no later than:

5:00 PM on September 13, 2013*

- Applications may be found online as an appendix to the Guidelines/PSP

<http://www.water.ca.gov/drainage/prop204/proposls.cfm>

Req'd Application Components

- A completed application includes:
 - Part A – Organization, Financial, and Legal Information
 - A-1 Application Cover Sheet
 - A-2 Applicant's Representatives
 - A-3 Cost Estimate/Cost Share
 - A-4 Authorizing Resolution
 - Part B – Project Proposal and Task Breakdown

Application Attachments - Part B

- Proposal and Task Breakdown
 - Contains bulk of project information
 - Opportunity to justify work plan and objectives
 - Each component is important to creating a cohesive and defensible project

Part B – Project Proposal and Task Breakdown

Please provide (as Attachment B) a project proposal with a detailed task breakdown, which describes the tasks that will be undertaken to implement the project. The project proposal shall include the following:

1. Title
2. Principal Investigator/Cooperator(s)
 - Please name all cooperators, including consultants.
3. Description of the Problem
4. Quantifiable Project Objectives
5. Project-Specific Tasks
 - The task breakdown shall include, at a minimum, the following elements:
 - A description of the tasks required to complete the project. In the description of each task, include the identification and cost of each item of work (from the cost estimate) that is included in the task.
 - Preparation of quarterly progress reports.
 - A time schedule for implementing the project, including the proposed calendar dates. At a minimum, the schedule should include the following benchmarks:
 - Each quarterly progress report.
 - Completion of each task of the task breakdown.
 - Review of implementation by DWR.
 - Completion of post-implementation report.
 - A time schedule of expenditures.
 - Signature of the agency head or designated representative, certifying that the agency approves the task breakdown, or a resolution or minute order delegating responsibility for task breakdown approval to the signer.
6. Materials and Methods
7. Schedule
8. Costs
 - Budget sheet, including indirect costs and cost sharing (if applicable).
9. Deliverable Products

How to Submit an Application

- Applicants must submit:
 - ONE complete application marked “ORIGINAL”
 - FOUR copies of the application
 - ONE electronic copy (.doc[x] or .pdf) on CD

- Submit all information by mail to:

California Department of Water Resources
South Central Region Office
3374 E. Shields Avenue
Fresno, CA 93726
Attn: Maggie Dutton

Tentative Schedule

		2013					
Tasks / Action Items	Date	May	Jun	Jul	Aug	Sept	Oct
I. Preparation of Draft PSP and Guidelines							
a. Post Draft PSP on DWR Website (at least 30-day review)	5/10/13 - 6/26/13	● —					
b. Hold Public Workshops ⁽¹⁾	6/11/13 & 6/13/13		● —				
c. Public Comment Period on Draft PSP/Guidelines	6/11/13 - 6/26/13		● —				
d. Public Comments on Draft PSP/Guidelines Due	6/27/2012		●				
e. Review and Respond to Public Comments on Draft PSP	6/27/13 - 7/12/13		● —				
II. Issue Final PSP and Guidelines							
a. Release Final PSP to Public	7/15/13			●			
b. Public to Prepare Grant Applications	7/15/13 - 9/13/13			● —			
c. Select Technical Review Committee	August 2013				—		
III. Submit Grant Applications							
a. Applications Due	9/13/13					▲	

Legend	
● —	DWR Action Required
● —	Public Action Required
● —	DWR & Public Action Required
▲	Due Date

Tentative Schedule

Tasks / Action Items	Date	2013				2014	
		Sept	Oct	Nov	Dec	Jan	Feb
IV. Technical Review of Submitted Applications							
a. Technical Review Committee Kick-Off Meeting	9/17/13	●					
b. Mail Applications to Technical Review Committee	9/18/13 - 9/23/13	■					
c. Review Applications	9/24/13 - 10/25/13	■	■				
d. Concensus Review of Recommendations	10/28/13 - 11/8/13			■			
e. Complete Recommendations on Project Rankings	11/14/13			●			
V. Release Draft Funding Recommendations							
a. Request Approval to Release Draft Funding Recommendations	11/15/13			●			
b. Post Draft Funding Recommendations on DWR Website	11/20/13			●			
c. Public Comment Period on Draft Funding Recommendations	11/20/13 - 12/4/13			■			
d. Review and Respond to Public Comments	12/5/13 - 12/13/13				■		
VI. Release Final Funding Recommendations							
a. Finalize Funding Recommendations	12/16/13 - 12/19/13				■		
b. Post Final Funding Recommendations on Website	12/20/13				●		
c. Send Letters of Commitment to Grantees	12/20/13				●		
VII. Issue Contract Documents							
a. Begin Funding Contract Process	1/6/14					●	

Legend	
●	DWR Action Required
■	Public Action Required
●	DWR & Public Action Required
▲	Due Date

Scoring Criteria

- ✓ Eligible project, program requirements complete (CEQA, etc.)
- Evaluation based on scoring criteria

Scoring Criteria	
Part A	
A-1 Application Cover Sheet	Pass/Fail
A-2 Applicant's Representatives	Pass/Fail
A-3 Cost Estimate/Cost Share	Pass/Fail
A-4 Authorizing Resolution	Pass/Fail
Total Possible Maximum – Criteria A	Pass
Part B	
B Project Proposal and Task Breakdown	(1) 5 points, (2) 15 points, (3) 5 points
Total Possible Maximum – Criteria B	25 Points, Fund (High Priority)

Questions or Comments?



Dates to remember...

Public Comments due **June 27, 2013**

Final Guidelines/PSP issued **mid July 2013**

Applications due **Sept. 13, 2013***

Draft funding recommendations issued **late Nov 2013**

Letters of Commitment sent **late Dec 2013**

For more information, contact:

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