

California Financing  
Coordinating Committee

# Infrastructure Financing For the 21st Century

2011 Funding Fairs





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## 2011 CFCC MEMBER DIRECTORY

[www.cfcc.ca.gov](http://www.cfcc.ca.gov)

### CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)

Drinking Water Technical Programs Branch  
1616 Capitol Avenue (MS 7418)  
P.O. Box 997377  
Sacramento, CA 95899-7377  
Phone: (916) 449-5600 / Fax: (916) 449-5656  
Web Site:

[www.cdph.ca.gov/certlic/drinkingwater/pages/DWPFunding.aspx](http://www.cdph.ca.gov/certlic/drinkingwater/pages/DWPFunding.aspx)

#### **Ms. Addie Aguirre**

Section Chief  
Infrastructure, Financial and Administration Section  
(916) 449-5625  
[Addie.Aguirre@cdph.ca.gov](mailto:Addie.Aguirre@cdph.ca.gov)

#### **Ms. Roxanne Cargill**

Senior Sanitary Engineer  
Engineering and Technical Assistance Section  
(916) 440-7590  
[Roxanne.Cargill@cdph.ca.gov](mailto:Roxanne.Cargill@cdph.ca.gov)

#### **Ms. Annette Dobie**

Unit Chief  
Infrastructure, Financial and Administration Section  
(916) 449-5164  
[Annette.Dobie@cdph.ca.gov](mailto:Annette.Dobie@cdph.ca.gov)

#### **Ms. Brenda Faw**

Unit Chief  
Scientific and Environmental Services Section  
(916) 449-5158  
[Brenda.Faw@cdph.ca.gov](mailto:Brenda.Faw@cdph.ca.gov)

#### **Mr. George Faggella**

Staff Environmental Scientist  
Scientific and Environmental Services Section  
(916) 449-5652  
[George.Faggella@cdph.ca.gov](mailto:George.Faggella@cdph.ca.gov)

### CDPH - Continued

#### **Ms. Lorri Silva**

Program Specialist  
Scientific and Environmental Services Section  
Phone: (916) 449-5639  
Email: [lorri.silva@cdph.ca.gov](mailto:lorri.silva@cdph.ca.gov)

#### **Mr. Dat Tran**

Supervising Sanitary Engineer  
Engineering and Technical Assistance Section  
(916) 449-5644  
[Dat.Tran@cdph.ca.gov](mailto:Dat.Tran@cdph.ca.gov)

### DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT (HCD)

Community Development Block Grant Program  
1800 Third Street, Suite 330  
Sacramento, CA 95811  
Phone: (916) 552-9398 / Fax: (916) 319-8488  
[www.hcd.ca.gov/ca/cdbg/about.html](http://www.hcd.ca.gov/ca/cdbg/about.html)

#### **Mr. Thomas Brandeberry**

Section Chief  
Phone: (916) 327-3613  
[tbrandeberry@hcd.ca.gov](mailto:tbrandeberry@hcd.ca.gov)

#### **Ms. Mimi Bettencourt**

Program Manager  
CDBG - Economic Development Allocation  
Phone: (916) 319-8400  
[mbettencourt@hcd.ca.gov](mailto:mbettencourt@hcd.ca.gov)

#### **Mr. Steven Marshall**

Program Manager  
CDBG – General/Native American and DRI Allocations  
Phone: (916) 319-8410  
[smarshall@hcd.ca.gov](mailto:smarshall@hcd.ca.gov)

### DEPARTMENT OF WATER RESOURCES (DWR)

P.O. Box 942836  
Sacramento, CA 94236  
901 P Street - Bonderson Building  
Sacramento, CA 94236  
Phone: (916) 651-9215 / Fax: (916) 651-9607  
Web Site: [www.water.ca.gov](http://www.water.ca.gov)  
Web Site: [www.grantsloans.water.ca.gov](http://www.grantsloans.water.ca.gov)  
Email: [funding@water.ca.gov](mailto:funding@water.ca.gov)

#### **Ms. Tracie Billington**

Division of Integrated Regional Water Management  
Chief, Financial Assistance Branch  
Phone: (916) 651-9226 / Fax: (916) 651-9290  
Email: [tracieb@water.ca.gov](mailto:tracieb@water.ca.gov)

#### **Ms. Chris McCready**

Division of Integrated Regional Water Management  
Chief, Regional Planning Branch  
Phone: (916) 651-9298  
Email: [mccready@water.ca.gov](mailto:mccready@water.ca.gov)

#### **Ms. Kristyne Miller**

Division of Statewide Integrated Water Management  
Project Services Office  
Phone: (916) 651-9215  
Email: [kmiller@water.ca.gov](mailto:kmiller@water.ca.gov)

#### **Mr. Jerry Snow**

Division of Integrated Regional Water Management  
Financial Assistance Branch  
Phone: (916) 651-9264  
Email: [glsnow@water.ca.gov](mailto:glsnow@water.ca.gov)

#### **Mr. Parker Thaler**

Division of Integrated Regional Water Management  
Financial Assistance Branch  
Phone: (916) 651-9221  
Email: [pthaler@water.ca.gov](mailto:pthaler@water.ca.gov)

## 2011 CFCC MEMBER DIRECTORY - Continued

[www.cfcc.ca.gov](http://www.cfcc.ca.gov)

### **CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK (IBank)**

Infrastructure State Revolving Fund (ISRF) Program  
P.O. Box 2830; Sacramento, CA 95812-2830  
980 9th Street, Suite 900; Sacramento, CA 95814  
Phone: (916) 322-1399 / Fax: (916) 322-6314  
Email: [www.ibank.ca.gov](http://www.ibank.ca.gov)

#### **Ms. Roma Cristia-Plant**

Assistant Executive Director  
Phone: (916) 324-8942 / Fax: (916) 319-7795  
Email: [rcistia@ibank.ca.gov](mailto:rcistia@ibank.ca.gov)

#### **Ms. Diane Cummings**

ISRF Program Manager  
Phone: (916) 324-4805 / Fax: (916) 319-7608  
Email: [dcummings@ibank.ca.gov](mailto:dcummings@ibank.ca.gov)

#### **Mr. Karl Whittington**

Staff Loan Officer  
Phone: (916) 322-3506 / Fax: (916) 319-7607  
Email: [kwhittington@ibank.ca.gov](mailto:kwhittington@ibank.ca.gov)

#### **Mr. Tad Thomas**

Staff Loan Officer  
Phone: (916) 322-6647 / Fax: (916) 319-7859  
Email: [tthomas@ibank.ca.gov](mailto:tthomas@ibank.ca.gov)

#### **Mr. Steve Grebner**

Loan Officer  
Phone: (916) 322-6719 / Fax: (916) 319-7773  
Email: [sgrebner@ibank.ca.gov](mailto:sgrebner@ibank.ca.gov)

### **STATE WATER RESOURCES CONTROL BOARD (SWRCB)**

Division of Financial Assistance  
1001 I Street - 16th Floor; Sacramento, CA 95814  
Phone: (916) 327-9978 / Fax: (916) 341-5707  
Email: [CleanWaterSRF@waterboards.ca.gov](mailto:CleanWaterSRF@waterboards.ca.gov)  
[www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/srf](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf)

#### **Mr. Christopher Stevens, Chief**

Clean Water State Revolving Fund  
and Special Programs Section  
Phone: (916) 341-5698  
Email: [cstevens@waterboards.ca.gov](mailto:cstevens@waterboards.ca.gov)

#### **Ms. Meghan Brown**

Clean Water State Revolving Fund Unit, Wastewater  
Phone: (916) 341-5729  
Email: [mgbrown@waterboards.ca.gov](mailto:mgbrown@waterboards.ca.gov)

#### **Mr. Dan Newton**

Water Recycling Funding Program  
Phone: (916) 324-8404  
Email: [dnewtons@waterboards.ca.gov](mailto:dnewtons@waterboards.ca.gov)

#### **Ms. Erin Ragazzi**

Small Communities / Stormwater Unit  
Phone: (916) 341-5733  
Email: [enragazzi@waterboards.ca.gov](mailto:enragazzi@waterboards.ca.gov)

#### **Ms. Julé Rizzardo**

Expanded Use Projects  
Clean Water State Revolving Fund  
Phone: (916) 341-5822  
Email: [jrizzardo@waterboards.ca.gov](mailto:jrizzardo@waterboards.ca.gov)

### **U.S. DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION (USBR)**

Mid-Pacific Regional Office  
Water Conservation Program  
2800 Cottage Way, MP-410  
Sacramento, CA 95825

#### **Ms. Melissa Crandell**

Phone: (916) 978-5208  
Email: [mcrandell@usbr.gov](mailto:mcrandell@usbr.gov)

#### **Ms. Sheri Looper**

Phone: (916) 978-5219  
Email: [slooper@usbr.gov](mailto:slooper@usbr.gov)

### **U.S. ENVIRONMENTAL PROTECTION AGENCY REGION 9 (USEPA)**

Sustainable Infrastructure Office  
75 Hawthorne Street (WTR-4)  
San Francisco, CA 94105  
Phone: (415) 947-8021 / Fax: (415) 947-3537

#### **Mr. Eric Byous**

Phone: (415) 972-3531  
Email: [byous.eric@epa.gov](mailto:byous.eric@epa.gov)

### **US DEPARTMENT OF AGRICULTURE (USDA)**

Rural Development  
430 G Street, Agency 4169  
Davis, CA 95616-4169 / Fax: (530) 792-5837  
Web Site: [www.rurdev.usda.gov/ca](http://www.rurdev.usda.gov/ca)

#### **Ms. Janice Waddell**

Community Programs Director  
Phone: (530) 792-5810  
Email: [mailto:janice.waddell@ca.usda.gov](mailto:mailto:janice.waddell@ca.usda.gov)

#### **Mr. David Hartwell**

Community Programs Specialist  
Phone: (530) 792-5817  
Email: [dave.hartwell@ca.usda.gov](mailto:dave.hartwell@ca.usda.gov)

## 2011 CFCC Funding Fairs California Department of Public Health



### Drinking Water Funding Programs

**Roxanne Cargill**  
**George Faggella**  
**Annette Dobie**

Ensure delivery of safe and reliable drinking water for public water systems

- Funding to public water systems
- Technical assistance to small water systems
- Expertise in drinking water (and recycled water)

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### Drinking Water Funding Programs



Available for **public water systems**

to correct and upgrade **drinking water infrastructure to solve a drinking water problem.**

3

### Drinking Water Funding Programs Safe Drinking Water State Revolving Fund

- \$288 million funded before July 2011
- Federal Funds;
- Public water systems
- Low interest LOANS, partial grant funding
- Construction or planning

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### Drinking Water Funding Programs Prop 84 (\$300 million) Grants

- Emergencies
- Chemical contamination or boil water orders (small community water systems & public schools)
- Prevent or remediate contamination of groundwater for drinking water sources

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### CDPH Funding Programs

- Prioritization for all programs is based on **risk to public health**
  - Public water system is in violation of a State or Federal drinking water regulation
  - Proposed project cannot fund excess capacity for growth or fire flow

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## 2011 CFCC Funding Fairs California Department of Public Health

### Universal Funding Pre-application

- Evaluated for funding program matches
- Evaluated to determine appropriate funding programs annually
- Projects are ranked on the **problem** to be addressed
- Eligible pre-applications are incorporated on to Project Priority Lists
- Next pre-application period – July 1, 2011

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### The Application Process

- After Project Priority Lists are finalized, CDPH invites fundable projects to submit a complete application
- CDPH evaluates projects **technically, environmentally, and financially.**
- Then, CDPH may issue a Funding Agreement

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### Drinking Water State Revolving Fund

- Annual CDPH application to US EPA for federal grant award
- CDPH prepares Intended Use Plan
- Is a revolving fund - grant awards and repayments are used to fund additional projects
- Available funds must be used in a timely manner

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### Safe Drinking Water State Revolving Fund

- Federal Statute –
  - enable systems to meet Safe Drinking Water Standards
- Federal Regulations –
  - Funding not “primarily for growth”
  - Incorporate federal “cross-cutters”
- State Statute –
  - Growth limitation – 10 percent growth
  - Maximum \$3 million grant for construction
  - Disadvantaged community < **80% State MHI**
- State Project Ranking Criteria

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### Safe Drinking Water State Revolving Fund Procedures

- **Tier 1: Construction Projects**
  - “Ready to Proceed” to construction
  - Completed plans, specifications, costs
  - Technical, evaluation, and environmental documents
- **Tier 2: Planning Projects**
  - Need planning to become “Ready to Proceed”

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### Construction (Tier 1) Funding Conventional Long Term Loans

- 20 year payback
- Subsidized interest rate
  - 1/2 the General Obligation bond rate
  - 0% interest possible for disadvantaged communities
- \$20M max / yr / project
- \$30M max / yr / entity
- Up to 80% grant for disadvantaged communities

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## 2011 CFCC Funding Fairs California Department of Public Health

### Short Term Planning (Tier 2)

- 5 year payback
- Subsidized interest rate
- \$500,000 max / project
- Possible grant funding for planning
- Upon completion of planning "study" --
  - submit construction application
- Construction funding is evaluated separate from planning

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### 2010 Figures

- State Revolving Fund Interest Rate:
  - 2.57% for 2010
- State Median Household Income (MHI):
  - \$62,403
- Disadvantaged Community Status:
  - 80% of State MHI
  - \$49,922 or less

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### Complete State Revolving Fund Construction Application

- Key components of project
- Project eligibility/ component eligibility
- Evaluates alternatives including consolidation
- Preliminary engineering report
- Identifies recommended project
- Most cost effective project



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### Complete State Revolving Fund Construction Application (Continued)

- Technical, Managerial, and Financial (TMF) capacity to achieve and maintain compliance with safe drinking water requirements
- Meets environmental compliance
- System **must** demonstrate it has a fully funded project

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### Help for Disadvantaged Communities

- Disadvantaged Communities (public entities and mutual water companies) are eligible for grant
- Community service area MHI is disadvantaged (<80 % Average MHI)
- Evaluate impact of funding with 0% interest rate loan
- If water rate to customers would exceed 1.5% of MHI after project completion, grant up to \$3 million

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### Proposition 50

- \$485 million to CDPH from 2002 bond measure
- CDPH is no longer accepting pre-applications for Prop 50 funding (projects to be funded have been identified)
- Provided \$90 Million State Match for State Revolving Fund
- Grant program
- Local match required except for small water systems and disadvantaged communities

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## 2011 CFCC Funding Fairs California Department of Public Health

### Proposition 84

- \$300 million to CDPH from 2006 bond measure
- Three different funding programs
- \$50 million for State Match for SDWSRF
- Grant program
- No local match required

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### CDPH Prop 84 Grant Programs

- Emergency Grants
- Small Community Grants for Chemical Contamination
- Groundwater Contamination

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### Drinking Water Funding Programs

(916) 449-5600

[dwpfunds@cdph.ca.gov](mailto:dwpfunds@cdph.ca.gov)



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# 2011 CFCC Funding Fairs

## California Infrastructure and Economic Development Bank (I-Bank)

California Infrastructure and  
Economic Development Bank 



Financing Facilities  
That Build Communities

### ***WHAT IS THE I-BANK?***

- Statewide Financing Authority
- 5 Member Board of Directors
  - Secretary of Business, Transportation and Housing Agency
  - Director of the Department of Finance
  - State Treasurer
  - Governor's Appointee
  - Secretary of the State and Consumer Services Agency
- Executive Director – Stan Hazelroth 



### ***I-BANK MISSION***

- Promote *economic development*
- Enhance *quality of life*
- *Revitalize* California communities through low-cost financing of infrastructure and economic development projects

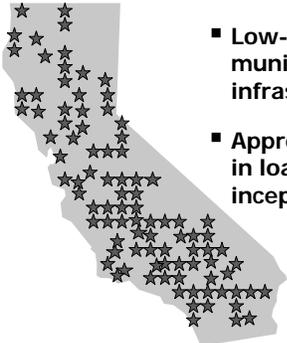


### ***TWO PROGRAMS***

- Infrastructure State Revolving Fund (ISRF) Program 
- Conduit Revenue Bond Financing Programs 



### ***ISRF PROGRAM***



- Low-cost financing for municipal entities for public infrastructure
- Approved over \$420 million in loans since program inception



### ***ISRF PROGRAM FINANCING TERMS***

Loan Amount

- \$250,000 to \$10 million\*
- \$10 million annual maximum\*
- \$20 million annual per jurisdiction maximum\*
- No match required

\*Per borrower, per project, per fiscal year



**2011 CFCC Funding Fairs  
California Infrastructure and Economic Development Bank (I-Bank)**

***ISRF PROGRAM  
FINANCING TERMS***

**Term**  
Up to 30 years, not to exceed useful life of the project

**Interest Rate**  
Fixed – 67% of "A" rated tax-exempt bond with a similar weighted average maturity



***ISRF PROGRAM  
FINANCING TERMS***

**Fees**

- Loan origination fee = 0.85% of the loan amount (\$10,000 minimum)
- Annual servicing fee = 0.30% of the principal balance



***ISRF PROGRAM  
NEED FOR FINANCING***

- \$2 million maximum loan amount for applicants with outstanding debt rated Baa2/BBB
  - *Exception:* Applicants receiving maximum points for unemployment, median family income or poverty.



***ISRF PROGRAM  
CRITERIA***

- Repayment ability
- Begin construction within six months of I-Bank Board approval
- Contractor pre-qualification [www.dir.ca.gov/prequal.htm](http://www.dir.ca.gov/prequal.htm)
- Payment of prevailing wages



***ISRF PROGRAM  
ELIGIBILITY***

- Eligible Applicant
- Eligible Project
- Eligible Repayment Stream



***ISRF PROGRAM  
ELIGIBLE APPLICANTS***

- Cities
- Counties
- Special Districts
- Redevelopment Agencies
- Assessment Districts




**2011 CFCC Funding Fairs**  
**California Infrastructure and Economic Development Bank (I-Bank)**

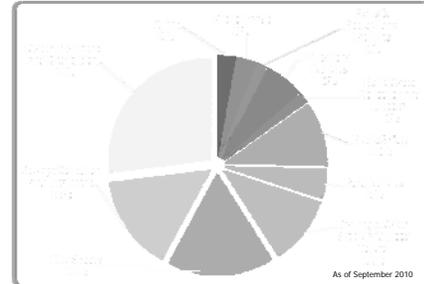
***ISRF PROGRAM  
ELIGIBLE PROJECTS***

- Promote *economic development*
- Attract, create and sustain *long-term employment opportunities*
- Meet minimum point threshold
- Tax exempt under IRS code



***ISRF PROGRAM  
PROJECT CATEGORIES***

16 Public Infrastructure Project Categories



***ISRF PROGRAM  
APPLICATION PROCESS***

Open application process

Two-Steps

- Preliminary Application
- Financing Application



***ISRF PROGRAM  
PRELIMINARY APPLICATION***

- Short application to assess ability to meet eligibility criteria
- All outstanding debt documents
- Application available on-line at I-Bank's web site:

***www.ibank.ca.gov***



***ISRF PROGRAM  
FINANCING APPLICATION***

- Detailed Financing Application
- Application resolution
- I-Bank Board meets monthly



***ISRF PROGRAM  
FINANCING APPLICATION***

*Application Resolution: required by statute*

- Project consistent with the General Plan of both the City and the County
- Proposed financing is appropriate for the Project



**2011 CFCC Funding Fairs  
California Infrastructure and Economic Development Bank (I-Bank)**

***ISRF PROGRAM  
FINANCING APPLICATION***

*Application Resolution: required by statute*

- Project facilitates effective and efficient use of existing and future public resources so as to promote both economic development and conservation of natural resources



***ISRF PROGRAM  
FINANCING APPLICATION***

*Application Resolution: required by statute*

- Project develops and enhances public infrastructure in a manner that will attract, create, and sustain long-term employment opportunities
- Project is consistent with the I-Bank's Criteria, Priorities and Guidelines for the ISRF Program

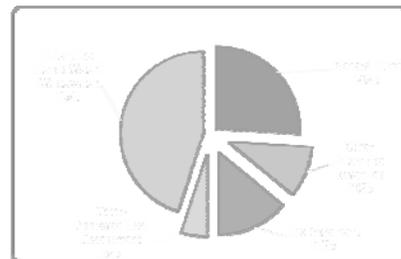


***ISRF PROGRAM  
FINANCING APPLICATION***

- Project description and timeline
- 3 years audited financial statements
- Current year adopted budget
- Documentation of the economic development impacts of the project



***ISRF PROGRAM  
REPAYMENT SOURCES***



*The form of the financing agreement depends upon the repayment source.*

As of September 2010



***ISRF PROGRAM  
KEY UNDERWRITING CRITERIA***

**Water/Sewer Enterprise**

- Coverage of at least 1.10x maximum annual debt service  
*(each of the two preceding fiscal years)*
- Adopted rate increases considered



***ISRF PROGRAM  
KEY UNDERWRITING CRITERIA***

**General Fund**

- Abatement lease of an unencumbered, essential asset
- Total annual debt service obligations less than 15% of general fund revenues



**2011 CFCC Funding Fairs  
California Infrastructure and Economic Development Bank (I-Bank)**

***ISRF PROGRAM  
KEY UNDERWRITING CRITERIA***

**Tax Increment**

- Historical coverage of at least 1.10x maximum annual debt service
- Minimum of 2 years tax increment collection history
- Requires a fiscal consultant report
- Other recurring revenues may be acceptable



***ISRF PROGRAM  
TECHNICAL ASSISTANCE***

I-Bank staff are available to:

- Assist with project structuring
- Assist with application preparation
- Provide applicant support



***City of Davis  
East Area Water Storage Tank Capital  
Improvement Project***

*Project Description*

- 4 million gallon municipal water storage tank
- 8.6 million gallon pump station
- System piping and transmission mains



***City of Davis  
East Area Water Storage Tank Capital  
Improvement Project***

*Economic Development Benefits*

- Supports a new retail development, making retail and general merchandise shopping available within the city limits
- Reduction in sales tax leakage from residents traveling outside the City to purchase basic goods



## 2011 CFCC Funding Fairs California Infrastructure and Economic Development Bank (I-Bank)

***City of Davis***  
**East Area Water Storage Tank Capital Improvement Project**

*Long-Term Employment Benefits*

- A new major retail store in the new development estimated to generate 103 full time equivalent jobs
- Project enabled city to attract an R&D machine tool manufacturing firm with 70 full time equivalent employees to locate near the development



***City of Davis***  
**East Area Water Storage Tank Capital Improvement Project**

*Project Funding*  
 30 year term / 4.00%

• I-Bank	\$10,000,000
• City of Davis	<u>\$806,000</u>
<b>TOTAL</b>	<b>\$10,806,000</b>




***Eureka Redevelopment Agency***  
**C Street and Market Square Improvements**

*Project Description*

- Renovation of C Street between 1<sup>st</sup> Street and the Boardwalk
- Construction of a market square/public plaza
- Construction of a fisherman's work building and café (paid for by the Agency)
- 41-space off-street parking lot



***Eureka Redevelopment Agency***  
**C Street and Market Square Improvements**

*Community Benefits*

- Project acts as a development catalyst providing outdoor amenities, including public access, an outdoor farmers market venue and off-street parking
- Will enhance or improve commercial/recreational, tourism as identified in Revitalization Program and Plan



## 2011 CFCC Funding Fairs California Infrastructure and Economic Development Bank (I-Bank)

***Eureka Redevelopment Agency***  
C Street and Market Square Improvements

***Project Funding***  
17 year term / 2.83%

- I-Bank \$2,000,000
- Eureka Redevelopment Agency \$2,014,394

**TOTAL \$4,014,394**

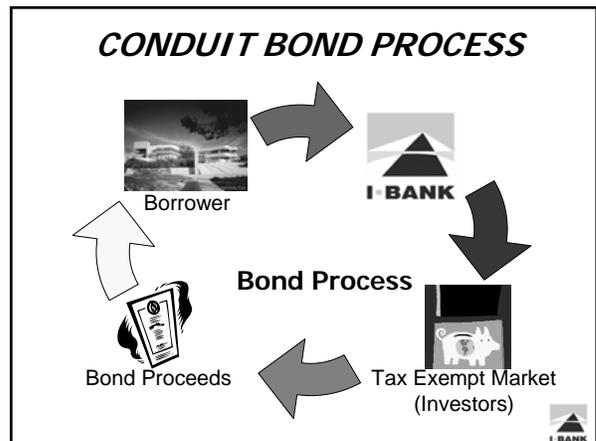



***REVENUE BOND FINANCING PROGRAMS***

Low Cost Conduit Bond Financing:

- Industrial development bonds (IDB) for qualified manufacturing and processing businesses
- 501(c)(3) bonds for non-profit public benefit corporations
- Bonds for governmental entities

*Since 2000, over \$30 billion issued*

***IDB PROJECT PROFILES***



Betts Spring Company



Doon Winery



Applied Aerospace Structures Corporation



iWORKS, US



***501(c)(3) PROJECT PROFILES***



Goodwill Industries



Santa Barbara Center for Performing Arts



SEA Education



California Academy of Sciences



**2011 CFCC Funding Fairs  
California Infrastructure and Economic Development Bank (I-Bank)**

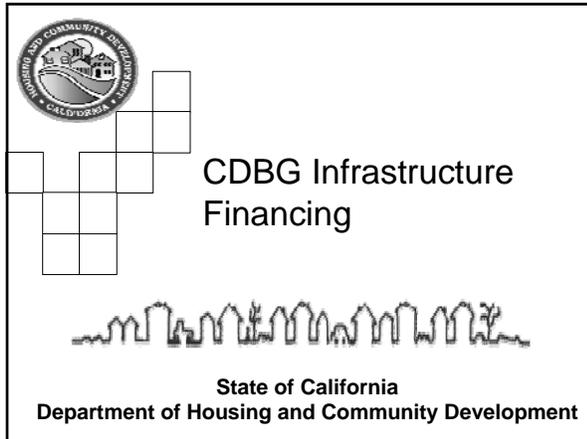
**California Infrastructure and  
Economic Development Bank**

**Call or email us with  
your questions!**



[ibank@ibank.ca.gov](mailto:ibank@ibank.ca.gov)  
(916) 322-1399  
[www.ibank.ca.gov](http://www.ibank.ca.gov)

**2011 CFCC Funding Fairs**  
**California Department of Housing and Community Development**  
**CDBG Infrastructure Financing**



**Community Development Block Grant (CDBG)**

- Federally funded grant program run by Dept. of Housing and Urban Development (HUD)
- Created by the Housing and Community Development Act of 1974
- Grants are given only to cities and counties
- State administers “non-entitlement” program & HUD administers “Entitlement” program for large cities and urban counties

**Three National Objectives (federal)**

- Principally Benefit Low-income Households (housing) or Persons. These are beneficiaries with incomes at or below 80% of county median
- Mitigate Slums and Blight (area or spot basis) only eligible in economic development program
- Meet an Urgent Need – rarely used in State CDBG

**Eligible Activities (state)**

- Federal Statute lists 25 eligible activities
- State CDBG groups them into 8 main categories
- The first six activities are general program only
  1. Housing Rehabilitation
  2. Housing Acquisition
  3. Housing New Construction
  4. Public Works
  5. Community Facilities
  6. Public Services
  7. Economic Development Activities (3 types)
  8. Planning and Technical Assistance (ED & General)

**Annual Notices of Funding Availability (NOFAs)**

- General / Native American / Colonias - Competitive On Hold until further notice.
- Economic Development – Two NOFAs
  - Enterprise Fund (EF) – 2010 NOFA Released 01/2011
  - Over-the-Counter (OTC) – first come basis 2010 NOFA Released 07/2010
- Planning and Technical Assistance  
On Hold until further notice.

**General & Native American & Colonias Allocations**

- Grants to jurisdictions to assist with meeting local development needs
- Three Allocations consist of:
  - General Allocation open to all eligible jurisdictions (largest at \$28 million per year)
  - Native American Allocation only for non-recognized tribes or terminated rancherias (smallest at \$500,000 per year)
  - Colonias Allocation only designated communities within 150 miles of border with Mexico (\$2 million per year)

**2011 CFCC Funding Fairs**  
**California Department of Housing and Community Development**  
**CDBG Infrastructure Financing**

### General Allocation NOFA

- Traditionally has funded housing activities, primarily housing rehabilitation programs
- Over the last 10 years more awards have been made to fund public work and community facility activities
- The 2011 NOFA release to be announced

### Infrastructure In Support of New Construction Rental Housing

- City of Oroville  
2006 CDBG Grant  
\$850K
- Hillview Ridge Apt.  
72 low income units
- Funded with  
HOME, CDBG, tax  
credits \$20million



### Non-Housing Activities

- Public Work & Community Facility Projects must benefit at least 51% low Income persons
- To be competitive, projects should benefit a higher percentage of low income persons
- Must also address a health and safety problem

### Example of Public Works Project



Installation of Waterline In Placer County

### Health Care Community Facility



Before and after photos of Del Norte Healthcare District's Clinic in Crescent City. CDBG and USDA funding for greatly expanded facility providing services to low income families.

### Economic Development (ED)

- Grants to jurisdictions that loan funds to businesses to create jobs
- Activities:
  - Business assistance
  - Assist Business with Off site Infrastructure
  - Microenterprise assistance

**2011 CFCC Funding Fairs  
California Department of Housing and Community Development  
CDBG Infrastructure Financing**

**Over the Counter (OTC) NOFA**

- **Large Project Funding for Eligible Activities**
- **Funding**
  - Typical six million dollar NOFA released in July
  - Applications are received on a continuous basis
  - Projects up to two and one half million
- **Activities**
  - **Business Assistance**
  - **Off-site Infrastructure in support of business or development**

**State CDBG staff recommends applications to the ED Loan Advisory Committee, which makes recommendations to the Director for approval**

**Example of Economic Development Infrastructure**



Public Infrastructure in support of a retail shopping center. I-Bank and CDBG funded infrastructure on Hwy 49 in Placer County for Auburn Plaza.

**Example of Private Infrastructure in Support of Economic Development Project**



City of Arcata provided \$2.5 million in loan funds to pay for "green" air filtration system which allowed for Humboldt Flakeboard Plywood Company to meet State Air Standards.

**Planning and Technical Assistance (PTA) NOFA**

- **Eligible study activities:**
  - Project Feasibility Study
  - Preparation of Funding Application(s)
  - Project Environmental Review
  - Preliminary & Final Engineering and Architectural Design
  - Business Infrastructure Study
- **Maximum of \$70,000 for General and \$70,000 for ED (\$140,000 total per year)**
- **ED PTA funds can be used for OTC application preparation and NEPA.**

**Program Income Funded Water Project**



Eel River Infiltration Gallery for Rio Dell Water System, \$100,000 in CDBG program income funds paid for final design and environmental. Other funders included Department of Public Health and USDA.

**CDBG Overlay Requirements**

- **Federal requirements:**
  - **Environmental Reviews (NEPA & CEQA)**
  - **Prevailing Wage: Davis-Bacon & Related Acts**
  - **Relocation: Federal & State Laws**
  - **Competitive Procurement of All Goods and Services**
  - **Equal Opportunity**
  - **Citizen Participation – notices, hearing, files**
- **State CDBG Grant Management Manual available on website**

**2011 CFCC Funding Fairs**  
**California Department of Housing and Community Development**  
**CDBG Infrastructure Financing**

**For More Information On CDBG**

- **State CDBG Program**
  - Program Secretary (916) 552-9398
  - Website: <http://www.hcd.ca.gov/ca/cdbg/>
- **Entitlement CDBG:**
  - Contact the community development department of your local government

**Proposition 1C Bond**

**Housing Related Parks Grant Program**

- NOFA to be released in 2011:
  - See HCD web site for NOFA and Application process
  - Contact Housing Policy Staff at 916-445-4728 or e-mail [housing\\_parks@hcd.ca.gov](mailto:housing_parks@hcd.ca.gov)

# 2011 CFCC Funding Fairs Department of Water Resources

**Department of Water Resources**

**Grant and Loan Programs**

**CFCC Funding Fair 2011**

Jerry Snow and Parker Thaler  
DWR Environmental Scientists



Slide No. 1

**General Obligation Bonds**

- **Proposition 84**
  - Safe Drinking Water, Water Quality & Supply, Flood Control, River & Coastal Protection Bond Act of 2006
- **Proposition 1E**
  - Disaster Preparedness & Flood Protection Bond Act of 2006
- **Proposition 50**
  - Water Security, Clean Drinking Water, Coastal & Beach Protection Act of 2002



Slide No. 2

**General Obligation Bonds (cont'd)**

- **Proposition 13**
  - Safe Drinking Water, Clean Water, Watershed Protection, and Flood Protection Act of 2000
- **Proposition 204**
  - Safe, Clean, Reliable Water Supply Act of 1996
- **Proposition 82**
  - Water Conservation Bond Law of 1988



Slide No. 3



Pumping Plant No. 6B Junction Box Structure

Kern County Water Agency Groundwater Storage and Water Conveyance Infrastructure Improvement Project



Reverse Osmosis Unit

Metropolitan Water District Desalination Research Innovation Partnership (DRIP) Program.



Recycled Water Facility

North Marin Water District Integrated Regional Water Management Project



## 2011 CFCC Funding Fairs Department of Water Resources



Squaw Valley Creek Stream Gages and Piezometers

Squaw Valley Public Service District Olympic Valley Aquifer Interaction Study



### Proposition 84

Safe Drinking Water,  
Water Quality and Supply, Flood Control,  
River and Coastal Protection  
Bond Act of 2006

Slide No. 8



### Proposition 84

#### DWR Programs

- Integrated Regional Water Management (IRWM)
- Delta and San Joaquin/Sacramento Rivers Water Quality Grant Program
- Local Levee Assistance Program
- Flood Protection Corridor Program

Slide No. 9



### Proposition 84

#### DWR Programs (cont'd)

- Delta Levees Program
  - Delta Levee Subventions
  - Special Flood Control Projects
- Flood Control Subventions Program
- Urban Streams Restoration Program
- Local Groundwater Assistance

Slide No. 10



### IRWM Program

**Eligible Uses**

- Projects that assist local public agencies to meet long-term State water needs, including delivery of safe drinking water, flood risk reduction, and protection of water quality and the environment

**Types of Projects**

- Planning Projects: to develop/revise IRWM Plans
- Implementation Projects: Construct projects in an IRWM Plan

Slide No. 11



### IRWM Funding Area Allocations



Regional allocations:	\$900 million
Inter-regional allocations:	\$100 million
<b>Total: \$1 billion</b>	

Slide No. 11



## 2011 CFCC Funding Fairs Department of Water Resources

### IRWM Program

#### *Eligible Applicants*

- Local public agencies and nonprofits representing an IRWM effort (Other IRWM partners may access funds through their own agreements with the applicant/grantee)

#### *Funding*

- \$20 million available for Planning grants
- \$200 million available for Implementation grants
- 25% minimum cost share (DAC waiver possible)

Slide No. 13



### IRWM Program

#### *Additional Information*

- Final Guidelines and Proposal Solicitation Packages released August 2010
- Second round of Planning and Implementation grants anticipated Summer/Fall 2011
- Visit our website for updates:

[www.grantsloans.water.ca.gov](http://www.grantsloans.water.ca.gov)

Slide No. 14



### Delta and Sacramento/San Joaquin Rivers Water Quality Program

#### *Eligible Applicants*

- Local agencies; and other entities, including universities, or nonprofit organizations, may collaborate with a local agency to perform work grant funds

#### *Funding*

- \$4 million-\$30 million project cap, depending on geographic location and project type

Slide No. 15



### Delta and Sacramento/ San Joaquin Rivers Water Quality Program

#### *Eligible Projects*

- Provide public benefit
- Improve/protect drinking water supplies
- Result in measurable water quality improvement
- Located geographically within the San Joaquin or Sacramento River Basins or the legal Delta

Slide No. 16



### Local Levee Assistance Program

#### *Eligible Applicants*

- Local public agencies

#### *Two Components*

- Local Levee Urgent Repair
- Local Levee Evaluations

Slide No. 17



### Local Levee Assistance Program

#### *Local Levee Urgent Repair*

- Repair and improve critically damaged local levees that are NOT:
  - Part of the State Plan of Flood Control
  - Located in the Sacramento-San Joaquin Delta

#### *Funding*

- Grant cap: \$5 million per applicant

Slide No. 18



# 2011 CFCC Funding Fairs Department of Water Resources

## Local Levee Assistance Program

### *Local Levee Evaluations*

- Evaluate stability, seepage, and underseepage of local levees that are NOT:
  - Part of the State Plan of Flood Control
  - Located in the Sacramento-San Joaquin Delta

### *Funding*

- Grant cap: \$1 million per applicant



Slide No. 19

## Flood Protection Corridor Program

### *Objectives*

- Flood risk reduction through primarily non-structural projects like wildlife habitat enhancement, and agricultural land preservation
- Avoid future flood damage and correct existing problems by restoring natural fluvial and biological processes in flood corridors

### *Eligible Applicants*

- Local agencies
- Nonprofits

### *Funding*

- Grant cap: \$5 million per eligible project



Slide No. 20

## Delta Levees Program

### *Eligible Applicants*

- Local public agencies

### *Two Components*

- Delta Levee Subventions
- Special Flood Control Projects



Slide No. 21

## Delta Levees Program

### *Delta Levee Subventions*

- Delta Levee System maintenance projects that meet goals of the CALFED Record of Decision (2000) and environmental mitigation requirements of AB 360
- Up to 75% State reimbursement for eligible costs, pursuant to executed funding agreement



Slide No. 22

## Delta Levees Program

### *Special Flood Control Projects*

- Flood protection improvement projects and habitat restoration in the Delta. Projects must meet environmental mitigation requirements of Assembly Bill (AB) 360
- Up to 100% State reimbursement for eligible costs, pursuant to executed funding agreement

### *Funding*

- Claims paid based on State funding and pursuant to executed funding agreement
- Proposal Solicitation Package release in Spring 2011.



Slide No. 23

## Flood Control Subventions Program

### *Eligible Applicants*

- Local public agencies

### *Eligible Uses*

- Implementation of federally-authorized flood control projects, including:
  - Major projects (authorized by U.S. Congress)
  - Small projects (authorized by PL 80-858 and Corps Engineers)
- Watershed Protection Flood Prevention Projects (authorized by the Natural Resources Conservation Service)



Slide No. 24

## 2011 CFCC Funding Fairs Department of Water Resources

### Flood Control Subventions Program

#### *Funding*

- Claims are accepted on a continuous basis and paid based on available State funding
- 50%-70% State reimbursement for eligible costs

#### *Program Notes*

- Proposal Solicitation Package released in Spring 2011.

Slide No. 25



### Urban Streams Restoration

#### *Goals*

- Reduce property damage caused by flooding or erosion
- Restore, enhance, or protect the natural ecological values of streams
- Promote community involvement, education, and stewardship

#### *Eligible Applicants*

- Local government agencies and citizens groups/nonprofits (working together)

Slide No. 26



### Urban Streams Restoration

#### *Eligible Uses*

- Creek cleanups
- Eradication of exotic or invasive plants
- Revegetation efforts
- Channel reconfiguration to improve stream geomorphology and aquatic habitat functions
- Acquisition of parcels critical for flood management
- Coordination of community involvement in projects

Slide No. 27



### Urban Streams Restoration

#### *Funding*

- Grant cap: \$1 million per project

#### *Program Notes*

- Next grant application cycle is anticipated for Winter 2010
- Please check our website for program updates:

[www.grantsloans.water.ca.gov](http://www.grantsloans.water.ca.gov)

Slide No. 28



### Local Groundwater Assistance Program

#### *Eligible Applicants*

- Local public agencies

#### *Eligible Projects*

- Groundwater studies
- Groundwater monitoring
- Groundwater management

Slide No. 29



### Local Groundwater Assistance Program

#### *Funding*

- Up to \$250,000 per applicant
- \$4.6 million appropriated for FY 2010-11 funding cycle

#### *Program Notes*

- Next Proposal Solicitation Package release Spring 2011
- Please check our website for updates:

<http://www.water.ca.gov/lgagrant/>

Slide No. 30



**2011 CFCC Funding Fairs  
Department of Water Resources**

**Proposition 1E**

Disaster Preparedness  
and Flood Protection  
Bond Act of 2006

Slide No. 31



**Non-Structural Flood Improvements  
Program**

*Objectives*

- Flood risk reduction through primarily non-structural projects that include wildlife habitat enhancement, agricultural land preservation, or both
- Avoid future flood damage and correct existing problems by restoring natural fluvial and related biological processes in flood corridors
- Two programs, one aimed at rural community protection and the other towards urban areas.

Slide No. 32



**Non-Structural Flood Improvements  
Program**

*Eligible Applicants*

- Local public agencies
- Nonprofits/citizens groups

*Funding*

- Funding limits to be determined under program guidelines

Slide No. 33



**Non-Structural Flood Improvements  
Program**

*Program Notes*

- Final Guidelines November 2010
- Proposal Solicitation Package release December 2010
- Applications due by February 2011
- Next solicitation 2012
- Please check our website for program updates:

[www.water.ca.gov/floodsafe](http://www.water.ca.gov/floodsafe)

Slide No. 34



**State-federal Flood Control System Modifications  
Program**

*Objectives*

- Rehabilitate, reconstruct, or replace levees, weirs, bypasses, and facilities of the State Plan of Flood Control
- Improve or add to facilities of the State Plan of Flood Control to increase flood protection levels for urban areas

*Eligible Applicants*

- Local public agencies and Federal agencies

*Funding*

- Project cap to be determined under program guidelines
- Next funding cycle expected in early 2009

Slide No. 35



**Stormwater Flood Management Program**

*Eligibility Requirements*

- A local agency or nonprofit representing an IRWM effort
- Project is located outside the State Plan of Flood Control
- Project must be part of an existing IRWM Plan and be consistent with applicable Water Quality Basin Plan

*Eligible Uses*

- Projects designed to manage stormwater runoff to reduce flood damage
  - ➔ Applicants must demonstrate reduction in flood damage

Slide No. 36



## 2011 CFCC Funding Fairs Department of Water Resources

### Stormwater Flood Management

#### *Funding*

- \$300 million total
- \$30 million project cap

#### *Program Notes*

- Proposal Solicitation Package release August 2010
- Applications due April 2011
- Minimum 50% cost share; cannot waive or reduce

Slide No. 37



### Proposition 13

Safe Drinking Water, Clean Water, Watershed  
Protection, and  
Flood Protection Act of 2000

Slide No. 38



### Agricultural Water Conservation Loan Program

#### *Eligible Applicants*

- Local public agencies and incorporated mutual water companies

#### *Typical Projects*

- Projects to improve agricultural water conservation, including:
  - Lining or piping canals or ditches
  - Replacing or repairing leaking distribution system components
  - Automating canal structures
  - Constructing tail water pump-back recovery systems
  - Replacing or installing distribution system controls
  - Purchasing and installing water measurement devices

Slide No. 39



### Agricultural Water Conservation Loan Program

#### *Funding*

- Up to \$5 million per project
- Interest set at ½ the State's rate on most recent General Obligation bond sale

#### *Application Information*

- Applications accepted/evaluated on continuous basis

#### *Program Notes*

- Applications may be downloaded from our website:

[www.owue.water.ca.gov](http://www.owue.water.ca.gov)

Slide No. 40



### Proposition 50

Water Security, Clean Drinking Water, Coastal, and  
Beach Protection Act of 2002

Slide No. 41



### Water Use Efficiency Program

#### *Eligible Applicants*

- Local agencies; nonprofits; tribes; State educational institutions; and cities, counties, or other political subdivisions of the State

#### *Typical Projects*

- Agricultural Water Use Efficiency Projects that carry out the CALFED Water Use Efficiency Program, including:
  - Research and development
  - Feasibility studies and pilot/demonstration projects
  - Training, educational, or public information programs
  - Technical assistance

Slide No. 42



## 2011 CFCC Funding Fairs Department of Water Resources

### Water Use Efficiency Program

#### *Funding*

- \$19 million with Cost Share required (potential DAC waiver)
- \$15 million available this funding cycle

#### *Program Notes*

- Proposal Solicitation Package release February 2011
- Applications due April 2011
- Please check our website for updated program status:

[www.owue.water.ca.gov](http://www.owue.water.ca.gov)

Slide No. 43



### Prop 50 Chapter 6(b) & (c)

#### *Eligible Applicants*

Funds available for Public Water Systems, and Public Entities

#### *Typical Projects*

- 6(b) New technologies to clean California's drinking water
- 6(c) Systems that have MCL compliance violation; surface water treatment microbial requirements; or mandatory disinfection required by CDPH, or local agency.

Local Agency must demonstrate ability to operate and maintain the treatment facility .

Slide No. 44



### Prop 50 Chapter 6(b) & (c)

#### *Funding*

- \$50 million available; Grant requires a 50% Fund Match
- 25% of Funds for 6(c) are designated funds for DACs
- No match required for DACs, or small water systems
- Up to \$5 million per grant

#### *Program Notes*

- Proposal Solicitation Package release Summer 2011
- Applications due Fall 2011

Slide No. 45



### Proposition 204

Safe, Clean, Reliable  
Water Supply Act of 1996

Slide No. 46



### Drainage Reuse Program

#### *Objectives*

- Research and technical study projects to develop methods to reuse subsurface agricultural drainage water

#### *Eligible Applicants*

- Public Agencies

#### *Program Notes*

- Approximately \$2 Million remaining
- Please check our website for updated program status:

[www.grantsloans.water.ca.gov](http://www.grantsloans.water.ca.gov)

Slide No. 47



### Proposition 82

Water Conservation Bond Law of 1988

Slide No. 48



## 2011 CFCC Funding Fairs Department of Water Resources

### New Local Water Supply Program

#### *Eligible Applicants*

- Local public agencies only – cities, counties, city/county partnerships, joint power authorities, or other political subdivisions of the State

#### *Typical Projects*

- Projects constructed to increase local water supplies including:
  - Canals
  - Dams, reservoirs, or storage tanks
  - Well field development
  - Reclaimed Water Facilities
  - Desalination facilities

Slide No. 49



### New Local Water Supply Program

#### *Construction Loans*

- Up to \$5 million per project
- 20-year repayment term
- Interest set at the State's most recent General Obligation bond sale

#### *Feasibility Study Loans*

- Up to \$500,000 per eligible study
- Up to a 5-year repayment term

Slide No. 50



### New Local Water Supply Program

#### *Funding*

- \$8.7 million available

#### *Program Notes*

- Applications accepted/evaluated on continuous basis
- Eligible projects funded on first come, first served basis
- At least 12 months from Application Submittal to Loan Initiation
- Applications may be downloaded from our website:  
[www.grantsloans.water.ca.gov](http://www.grantsloans.water.ca.gov)

Slide No. 51



### For Further Information on DWR Programs

- DWR Website
  - [www.water.ca.gov](http://www.water.ca.gov) (Select funding tab)
- Grants and Loans Website
  - [www.grantsloans.water.ca.gov](http://www.grantsloans.water.ca.gov)
- FloodSAFE Website
  - [www.water.ca.gov/floodsafe](http://www.water.ca.gov/floodsafe)
- Bond Accountability Website
  - [www.bondaccountability.ca.gov](http://www.bondaccountability.ca.gov)

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### For Further Information on DWR Programs (cont'd)

- Jerry Snow, Environmental Scientist
  - Phone: (916) 651-9264
  - Email: [glsnow@water.ca.gov](mailto:glsnow@water.ca.gov)
- Parker Thaler, Environmental Scientist
  - Phone: (916) 651-9221
  - Email: [pthaler@water.ca.gov](mailto:pthaler@water.ca.gov)
- Department of Water Resources
  - P.O. Box 942836, Sacramento, CA 94236
  - [www.water.ca.gov](http://www.water.ca.gov)

Slide No. 53





**2011 CFCC Funding Fairs  
State Water Resources Control Board  
Funding Programs**

**CALIFORNIA FINANCING  
COORDINATING COMMITTEE  
(CFCC)**

**2011 Funding Fairs:**

- March 8 (Visalia)
- March 10 (Alhambra)
- April 14 (Arcata)
- May 11 (Truckee)
- May 24 (Sacramento)

[www.cfcc.ca.gov](http://www.cfcc.ca.gov)

**STATE WATER RESOURCES  
CONTROL BOARD**

DIVISION OF FINANCIAL ASSISTANCE (DFA)

2011 CFCC Funding Fairs  
Presented by: Erin Ragazzi

January 2011

Slide No. 2

**DFA'S MISSION**

*Providing Financial Assistance for  
Projects that Serve the  
Water Boards' Mission:  
Preserve, Enhance, and Restore  
California's Water Resources*

<http://www.waterboards.ca.gov>

January 2011

Slide No. 3

**DFA PROGRAMS**

- Presentation focus:
  - Clean Water State Revolving Fund Program:
    - Wastewater & Water Recycling Projects
    - Expanded Use
  - Water Recycling Funding Program
  - Small Community Wastewater Program
  - Other DFA Programs
  - Resources

January 2011

Slide No. 4

**CWSRF PROGRAM:  
HISTORICALLY & MOST RECENTLY**

- Traditionally low interest financing program with wastewater/water recycling focus
  - Funded ~548 projects for ~\$4.9 billion since Program's inception

January 2011

Slide No. 5

**CWSRF PROGRAM:  
WHAT'S NEW?**

- Principal Forgiveness (Grants)
  - Started with stimulus funds
  - Requirements outlined in Intended Use Plan (IUP) adopted at August 3, 2010, State Water Board meeting
  - \$72.7 million towards projects serving disadvantaged communities (DACs) in two categories:
    - Category 1: Small DACs with **substantial** water quality investment; \$13.5 - \$43.6 million available
    - Category 2: Other DACs (includes disadvantaged areas within larger communities); \$8.5 - \$29.1 million available

January 2011

Slide No. 6

# 2011 CFCC Funding Fairs

## State Water Resources Control Board

### Funding Programs

#### CWSRF PROGRAM: WHAT'S NEW?

- Davis-Bacon (federal prevailing wage)
  - Applies to all financing agreements executed after October 30, 2009
  - Davis-Bacon wage determinations & Exhibit language from CWSRF financing agreement need to be in bid documents, as well as executed construction contract
- Beyond Wastewater & Water Recycling
  - Funding for other types of water quality improvement projects (e.g., stormwater, nonpoint source)
- Small Disadvantaged Community Incentives
  - Discussed later as part of Small Community Wastewater

January 2011

Slide No. 7

#### CWSRF PROGRAM: TRADITIONALLY ELIGIBLE PROJECTS (SECTION 212)

Construction of publicly-owned facilities with waste discharge requirements (WDR) or National Pollutant Discharge Elimination System (NPDES) permit:

- Wastewater treatment
- Local sewers
- Sewer interceptors
- Water reclamation facilities
- Stormwater treatment (as point source)

January 2011

Slide No. 8

#### CWSRF PROGRAM: EXPANDED USE PROJECTS (SECTIONS 319 & 320)

Expanded Use Projects include, but are not limited to:

- Nonpoint source (NPS) projects identified in NPS Plan
- Development and implementation of an estuary comprehensive conservation and management plan
- Other non-wastewater point sources, such as stormwater reduction and treatment facilities, non-concentrated animal feeding operations, etc.

January 2011

Slide No. 9

#### CWSRF PROGRAM: STANDARD FINANCING

- Interest Rate:  $\frac{1}{2}$  most recent General Obligation Bond Sale (currently ~2.7%) at time of preliminary funding commitment
- Financing Term: 20 Years (typically)
- Financing Amount: Maximum \$50 million per agency, per year (may be waived)
- Repayment: Begins 1 year after completion of construction
- Amount Available: ~\$200-300 million available annually (typically)

January 2011

Slide No. 10

#### CWSRF PROGRAM: PRELIMINARY PROJECT LIST (PPL)

- First step in continuous application process
- Updated annually (currently)
- PPL questionnaire submitted electronically using State Water Board's Financial Assistance Application Submittal Tool (FAAST):

<https://faast.waterboards.ca.gov/>



Follow up with applicable financial assistance application for traditional or expanded use project(s)

January 2011

Slide No. 11

#### CWSRF PROGRAM: APPLICATION SUBMITTAL

- Wastewater & Water Recycling Projects:
  - Submit hard copy paper application
- Expanded Use Projects:
  - Apply online via FAAST

January 2011

Slide No. 12

# 2011 CFCC Funding Fairs

## State Water Resources Control Board

### Funding Programs

#### **CWSRF PROGRAM: FUNDING APPROVAL PROCESS**

- Project identified on PPL (FAAST questionnaire) – **Proceed with application as PPL is unavailable**
- Submit Application & Associated Documents:
  - Project Report
  - California Environmental Quality Act (CEQA) Plus, including Cultural Resources
  - Legal
  - Credit Review
  - Water Conservation/Water Rights Requirement
- Kickoff Meeting
- Issue Facility Plan Approval Letter

January 2011

Slide No. 13

#### **CWSRF PROGRAM: FUNDING APPROVAL PROCESS, CONTINUED**

- Preliminary Funding Commitment
- Initial Financing Agreement
  - Access planning and design disbursements
- Amend Financing Agreement
  - Reflects final project costs based on selected bid
  - Establishes project performance standards
  - Details eligibility determinations
- Start Construction
- One-year Operational Evaluation Period
- Project Certification

January 2011

Slide No. 14

#### **CWSRF PROGRAM: CONTACTS**

CWSRF Program, Wastewater  
Ms. Meghan Brown, Senior Engineer  
Email: [mgbrown@waterboards.ca.gov](mailto:mgbrown@waterboards.ca.gov)  
Phone: 916.341.5729

CWSRF Program, Expanded Use  
Ms. Julé Rizzardo, Senior Engineer  
Email: [jrizzardo@waterboards.ca.gov](mailto:jrizzardo@waterboards.ca.gov)  
Phone: 916.341.5822

Website:  
[http://www.waterboards.ca.gov/water\\_issues/programs/  
grants\\_loans/srf/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml)

January 2011

Slide No. 15

#### **WATER RECYCLING FUNDING PROGRAM (WRFP): BACKGROUND**

- Low interest loans, and planning, construction, and research grants
- To promote beneficial use of treated municipal wastewater to augment state/local fresh water supplies
- For publicly-owned facilities and privately-owned water utilities regulated by Public Utilities Commission
- Funding approval process similar to CWSRF Program

January 2011

Slide No. 16

#### **WRFP: ELIGIBLE PROJECTS**

- Recycled water treatment facilities
- Recycled water distribution systems
- Groundwater recharge facilities
- Groundwater reclamation

January 2011

Slide No. 17

#### **WRFP: AVAILABLE FUNDING**

- Funding currently available for planning grants & construction loans
- Applications are accepted on a continuous basis
- Planning grants & construction loans awarded on readiness-to-proceed basis (minimal construction grant and research funds available annually from loan repayment proceeds)
- Planning grants reimburse up to 50% of eligible costs, to maximum of \$75,000

January 2011

Slide No. 18

# 2011 CFCC Funding Fairs

## State Water Resources Control Board

### Funding Programs

#### Water Recycling Construction (WRC) Program SPECIAL PROVISIONS

- Competitive Project List (CPL): Projects must be on CPL for consideration WRC funding (CPL currently closed)
- Market Assurances: Mandatory use ordinance or user contracts required
- Operation Reporting Requirements: Annual Report must be submitted for five years
- Minimum Use Requirements: Initial delivery goal and total project capacity goals

January 2011

Slide No. 19

#### WRFP CONTACTS

Mr. Dan Newton, Senior Engineer  
Email: [dnewton@waterboards.ca.gov](mailto:dnewton@waterboards.ca.gov)  
Phone: 916.324.8404

Website:  
[http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/water\\_recycling/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml)

January 2011

Slide No. 20

#### SMALL COMMUNITY WASTEWATER PROGRAM: STATE WATER BOARD RESOLUTION NO. 2008-0048

- Adopted July 1, 2008
- Promotes strategies to assist small DACs (SDACs) with wastewater needs
- References Water Boards' *Small Community Wastewater Strategy* for additional background
- Small Community Wastewater Grant (SCWG) Program funds depleted (<20,000 persons; MHI <80%)
- A key component of proposed strategies is making CWSRF Program more affordable for SDACs
- Training contract in place with Rural Community Assistance Corporation
- Working on technical assistance contract(s)

January 2011

Slide No. 21

#### SMALL COMMUNITY WASTEWATER PROGRAM: CWSRF PROGRAM MODIFICATIONS

- Process disbursements within 30 days (AB 2356)
- Refinance existing debts, when necessary to make proposed project more affordable
- For SDACs with wastewater rates greater than 1.5% of community's median household income (MHI)
  - Extended Term Financing (30 years or life of project)
  - Reduced interest rate to not less than zero
- Principal forgiveness (see earlier slide)
- Planning financing
- AB 2356 (Statutes 2008, Chapter 609) State Water Pollution Control Revolving Fund Small Community Grant Fund
- Financial incentives for large agencies that support SDACs (still under consideration)

January 2011

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#### SMALL COMMUNITY WASTEWATER PROGRAM CONTACT

Ms. Erin Ragazzi, Senior Environmental Scientist  
[enragazzi@waterboards.ca.gov](mailto:enragazzi@waterboards.ca.gov)  
(916) 341-5733

Website:  
[http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/small\\_community\\_wastewater\\_grant/strategy.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/small_community_wastewater_grant/strategy.shtml)

January 2011

Slide No. 23

#### EXAMPLES OF OTHER DFA PROGRAMS

- Federal 319(h) Nonpoint Source Grant Program
- Proposition 84 Grant Programs:
  - Clean Beaches Initiative (CBI)
  - Storm Water Grant Program (SWGPP)
  - Santa Monica Bay Restoration
- Underground Storage Tank Cleanup Fund

Webpage:  
[http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/)

January 2011

Slide No. 24

**2011 CFCC Funding Fairs  
State Water Resources Control Board  
Funding Programs**

**Resources:  
LYRIS Email Lists**

- Subscription form can be accessed at:  
[http://www.waterboards.ca.gov/resources/email\\_subscriptions/swrcb\\_subscribe.shtml](http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml)
- Available for many programs, including:
  - CWSRF: "Clean Water State Revolving Fund"
  - WRFPP: "Water Recycling Funding Program"
  - SC Wastewater Program: "Small Communities Program"
  - CBI: "Beach Water Quality Grants"
  - SWGP: "Storm Water Grant Program (Proposition 84)"

*January 2011*

*Slide No. 25*



# FREE Wastewater Workshops

January-June 2011

*Presented by:*



**RCAC**  
[www.rcac.org](http://www.rcac.org)

2011 CFCC Handbook: Page 35

*Funded by:*





## About the workshops:

Many small and/or disadvantaged communities have failing septic systems or old and under-sized wastewater treatment plants that cannot meet current water quality standards. These communities lack the economies of scale to build and maintain adequate wastewater systems, and are typically located in rural, sparsely populated areas that present infrastructure challenges.

On July 1, 2008 the California State Water Resources Control Board (State Water Board) adopted Resolution No. 2008-0048, which promotes strategies to assist small and/or disadvantaged communities with wastewater needs. A variety of infrastructure funding programs have been available to wastewater systems on and off through the years, but many of the smaller communities need more than just financial assistance.

Training is needed to help rural and disadvantaged communities more effectively plan for their long-term technical, managerial and financial needs. RCAC and the State Water Board are pleased to provide this training to California's small and disadvantaged communities. Our goal is to help these communities achieve measurable improvements in compliance with water quality objectives, more stable and sustainable community governance with enhanced public awareness of wastewater issues, improved asset management, fiscal planning and accountability. This leads to more financially sound and credit-worthy State financial assistance applicants and an increase in complete and eligible applications submitted to the State Water Board's Clean Water State Revolving Fund Program and State Water Board grant programs.

If, after attending one of the workshops, you would like additional technical assistance, please contact Karen McBride at 916/447-9832 ext. 1012 or [karenm@rcac.org](mailto:karenm@rcac.org).

## Cost:

There is *no fee* to attend these workshops. **Priority of attendance will be given to those from small, disadvantaged wastewater systems.** When space permits, onsite registration will be on a first come, first served basis with priority given to those who have registered in advance and small, disadvantaged wastewater systems. Class size for each workshop is noted in the workshop description.

## Registration:

For more information or to register for any workshop, please contact Greta Dushane, RCAC, at 916/447-9832 ext. 1016 or by e-mail at [gdushane@rcac.org](mailto:gdushane@rcac.org). You can also register online at [www.rcac.org](http://www.rcac.org), under Trainings and Events, or mail or fax in the registration form found on page 11 of this brochure.

These materials were prepared using part of the \$500,000 in funds under Agreement 09-046-550 with the State of California. This project has been funded wholly or in part by the USEPA Assistance Agreement. The contents of this document do not necessarily reflect the views and policies of the USEPA, the State, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

# Wastewater / RWRN / CalTAP Fair Symposium

June 1, 2011 ❖ Fortuna, CA

Join us at this very special wastewater and drinking water symposium, jointly sponsored by the State Water Resources Control Board (State Water Board) and California Department of Public Health (CDPH), as a Redwood Water Resources Network (RWRN) training event! Come learn the programs and resources provided by the State Water Board, and the California Technical Assistance Providers (CalTAP) programs that are supported by CDPH. The Symposium qualifies for six contact hours.

**June 1, 2011 • 8:30 a.m.-4 p.m.**

**(Lunch is one hour and is provided for \$15\* [cash] or you may bring your own)**

**River Lodge Conference Center • 1800 Riverwalk Drive • Fortuna, CA 95540**

## Wastewater / RWRN / CalTAP Fair Symposium: Fortuna, CA • June 1, 2011

### PROGRAM AT A GLANCE

8 a.m.	Registration opens		
8:30 a.m.	Welcome & Introductions		
	Presentations by State Water Board, CDPH, RCAC, RWRN and California Water Environment Association		
10:15 a.m.	Break		
	<b>Wastewater Track</b>	<b>Drinking Water Track</b>	<b>TMF Tune Up Lab</b>
10:30 a.m.	Avoiding Common Violations	Regulatory Issues Facing the North Coast	Using the TMF Tune-Up Tool (computer lab)
Noon	Lunch (\$15* cash or you may bring your own lunch)		
1 p.m.	Chemical Feed Control	Well Modification	Using the TMF Tune-Up Tool (computer lab)
2:20 p.m.	Break		
2:40 p.m.	Operation & Maintenance for Collection Systems	Cross Connection Control Prevention & Enforcement	Using the TMF Tune-Up Tool (computer lab)
4 p.m.	Adjourn		

\*The lunch is \$15/person or you can bring your own lunch to the event. You *MUST* register at least one week in advance to purchase lunch so we have an accurate count for the caterer.



### Are you a water operator, too?

Did you know that RCAC offers free drinking water workshops throughout California and online? These free workshops are funded by the State of California, Department of Public Health. Visit our website for the latest workshop listing:

[www.rcac.org](http://www.rcac.org), under Trainings and Events

Special Event

## ONLINE WORKSHOPS at a GLANCE

Please note that starting in January, **all online workshops will start at 10 a.m.** Pacific time, and **are only offered once a day.** However, all online workshops are recorded and available online for viewing at anytime. You can find them on our website at: [www.rcac.org](http://www.rcac.org), under Resources/Online Session Materials.

Board Basics: Roles & Responsibilities . . . . .	Jan. 6, 2011
Operation & Maintenance: Preparing Wastewater Operation & Maintenance Plans . . . . .	Jan. 19, 2011
Clean Water SRF Application Process . . . . .	Jan. 20, 2011
.....	Apr. 20, 2011
.....	June 22, 2011
Board Basics: Basic Operations . . .	Feb. 16, 2011
Comply with your Permit: Understand Your Waste Discharge Requirements & Avoid Common Violations . . . . .	Feb. 17, 2011
Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR) Audit Preparation . . . . .	Mar. 3, 2011
Financial Management . . . . .	Mar. 16, 2011
Revised Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR) . . . . .	Apr. 5, 2011
Sanitary Sewer Overflow (SSO) Notification and Reporting . . . . .	Apr. 6, 2011
The Clean Water Act . . . . .	Apr. 21, 2011
SSO Spill Volume Estimating & How to Use CIWQS . . . . .	May 3, 2011
How to Hire a Consultant . . . . .	June 14, 2011

### Board Basics: Roles & Responsibilities

This condensed online version of our popular Board Governance workshop focuses on the many responsibilities attached to serving on a wastewater utility board. Many board members are unaware of the scope and breadth of these responsibilities, which range from fiscal responsibility to environmental compliance. This training will benefit board members, as well as general managers and others working with elected officials. You will learn about:

- Why a public wastewater system must operate as a viable business
- The importance of financial, technical and managerial capacity to the operation of a wastewater system
- The key legal responsibilities of governing bodies of wastewater entities

**Jan. 6, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

### Operation & Maintenance: Preparing Wastewater Operation & Maintenance Plans

Many smaller wastewater agencies don't know what an Operations Plan is, or they think they don't need one. What would happen if the one person who knows how to operate and maintain your system was suddenly unavailable? Learn what needs to be done daily, weekly and monthly to keep the system running and meet discharge requirements? A key element of the Sewer System Management Plan (SSMP) requirement is a comprehensive O&M program, and a written Operations Plan will provide you with the framework you need.

**Jan. 19, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*



Photo by: Dave Warner, Self Help Enterprises

## Clean Water SRF Application Process

Do you need funding for your aging wastewater collection or treatment system that is becoming obsolete or trouble-prone? You're not alone! Billions of dollars worth of wastewater infrastructure improvements will be needed in California in the coming years. Fortunately, help is available. California's Clean Water State Revolving Fund (SRF) Program loans funds for wastewater improvements, in some cases with principal forgiveness, extended terms and/or reduced interest rates if your community qualifies. This course will guide you through the application process from start to finish.

**Jan. 20, 2011 @ 10 a.m.**

**Apr. 20, 2011 @ 10 a.m.**

**June 22, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## Board Basics: Basic Operations

Many board members lack a basic technical understanding of the wastewater systems that they govern. This module introduces the fundamentals of wastewater collection, treatment and disposal in layman's terms. It includes a component-by-component description of a basic wastewater collection and treatment system with a stop at each major point in the system. New board members and entry-level operators will find this module especially helpful in gaining an understanding of their responsibilities. Topics covered include:

- Lift stations and maintenance issues
- The advantages, disadvantages and differences between various wastewater treatment technologies
- The regulatory framework governing wastewater systems in California
- Solids disposal options and National Pollutant Discharge Elimination System (NPDES) permits

**Feb. 16, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

### Online Workshops

RCAC's online trainings are instructor-led, interactive, internet-based workshops designed to provide quality training without the participant having to travel. *Each session is two hours.*

RCAC uses the Elluminate training platform and you will need to download the Elluminate software before you can get started in an online session for the first time. Once you register for an online workshop, You can download the FREE Elluminate software at:

<https://www.illuminate.com/Support/?id=62>

Once loaded on your computer, you will not have to repeat this process for further RCAC online trainings using the same computer.

You should ensure that your computer is able to support the needs of the collaboration environment. Your computer should meet or exceed the following minimum requirements:

#### Minimum System Requirements

##### Windows

- Windows 98/ME/2000/XP
- Pentium III 500 MHZ processor
- 128 MB RAM (98/ME); 256 MB RAM (2000/XP)
- 20 MB free disk space
- Soundcard with speakers or headset
- 28.8 kbps Internet connection
- Microphone [optional]

##### Macintosh

- Mac OS 9.2, Mac OS X 10.2.8, 10.3.9, and 10.4
- G3, G4, G5, or Intel processor
- 128 MB RAM (OS 9.x); 256 MB RAM (OS X)
- 20 MB free disk space
- 28.8 kbps Internet connection
- Microphone (internal, USB, or iSight) [optional]

#### Audio recommendations

For a better audio signal, we recommend using an external microphone and headset or speakers. Common PC microphones do not work in a Mac microphone jack, so Mac users should use USB microphones.

## **Comply with Your Permit: Understand Your Waste Discharge Requirements & Avoid Common Violations**

Did you know that approximately 40 percent of recorded violations are for easily prevented violations of monitoring and reporting requirements and standard provisions of waste discharge requirements (WDR)? This course will cover typical permit requirements, describe common violations found during routine inspections and monitoring report reviews, and suggest ways of avoiding those violations. Discover the basics of what your permit says, what it means, where things go wrong, and what you need to do to comply. This course is for anyone who has responsibility for ensuring compliance with their facility's WDR.

**Feb. 17, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## **Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR) Audit Preparation**

The State Water Resources Control Board's Office of Enforcement (OE) is currently performing random and targeted audits of collection systems enrolled under the SSS WDR. This online workshop will cover how to maintain proper compliance with the SSS WDR, appropriate record keeping, and proper collection system operations. This workshop will help enrollees to be better prepared for an audit before the OE staff arrives on site.

**Mar. 3, 2011  
@ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## **Board Basics: Financial Management**

Financial management is more than just the annual budget process. Join us online to unlock the mysteries of the financial statements to determine if your system's financial health is improving or declining. We will discuss some tools to improve your own financial health through the development and adherence to sound customer policies, typical reserve accounts and the importance of asset management, in addition to developing a realistic budget.

**Mar. 16, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## **Revised Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR)**

This workshop will help ensure your collection system remains in compliance with the upcoming changes to the SSS WDR. The SSS WDR is undergoing revisions and is anticipated to be presented to the State Water Resources Control Board for adoption in March 2011. Depending on the status of the revised WDR, this online workshop will help you come up to speed on the anticipated or newly adopted SSS WDR.

**Apr. 5, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*





## Sanitary Sewer Overflow (SSO) Notification and Reporting

This online workshop will cover the basic requirements of the Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR) and the Monitoring and Reporting Program. Additionally, participants will learn how to use the basic features of the California Integrated Water Quality System (CIWQS), an integral part of your SSS compliance and SSO notification and reporting.

**Apr. 6, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## The Clean Water Act

Do you sometimes feel overwhelmed by the variety and complexity of California's wastewater rules and regulations? The Clean Water Act (CWA) is the primary federal law in the United States governing water pollution. The act established the goals of limiting releases of toxic substances into receiving waters and ensuring that surface waters would meet standards necessary for human activities, recreation and wildlife protection. The State Water Resources Control Board and its Regional Water Quality Control Boards have the statutory mandate of enforcing the CWA. In addition, there is an array of state laws and measures that have been passed by voters and the Legislature through the years to protect California's unique environment.

This online workshop will explain in layman's terms the regulatory framework affecting wastewater treatment and disposal in California, and the information you need to stay in compliance.

**Apr. 21, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## SSO Spill Volume Estimating & How to Use CIWQS

This online workshop will cover techniques for estimating SSO spills, how to evaluate a spill, and estimate the spill's volume. Additionally, participants will have the opportunity to learn how to report SSO spills into the California Integrated Water Quality System database.

**May 3, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

## How to Hire a Consultant

Wastewater agencies large and small often need consultants for engineering and environmental work, legal matters, rate and feasibility studies, land use planning, audits, architectural work, and a variety of other specialized tasks. You will rely on a consultant's advice for many months, or even years, to guide a project from planning, to design, to construction and finally to completion. Do you have a scope of work? How will you evaluate their qualifications? How will you negotiate an agreement? How will you evaluate their performance? These and many other questions will be answered in this two hour online workshop. A variety of sample templates and agreements will be provided and discussed.

**June 14, 2011 @ 10 a.m.**

*Note: This workshop runs at 10 a.m. only and does not repeat. However, all online workshops are recorded and available for viewing anytime online at [www.rcac.org](http://www.rcac.org), under Resources.*

### Not Sure About Online Trainings?



**Try them off-line first!**  
RCAC records all of our online trainings, and posts them on our website. You can view the recorded online training at any time to see what it's all about and if they might work for you!

Or if you missed part of a session, or want to review the session, it's just a click away.

**Find them on our website at:**

**[www.rcac.org](http://www.rcac.org),  
under Resources/Online Session Materials**

**or**

**<http://www.rcac.org/doc.aspx?472>**

## CLASSROOM WORKSHOPS at a GLANCE

Treatment Plant & Collection System Operation & Maintenance	Jan. 25, 2011	Temecula
Board Roles & Responsibilities	Jan. 27, 2011	El Centro
Smooth Inspection Visits or Train Wreck?	Feb. 23, 2011	Madera
Process Control Basics: Activated Sludge and Plant Tour	Feb. 24, 2011	Visalia
Wastewater Operator Certification Preparation	Mar. 30, 2011	West Sacramento
Wastewater Math Review	Mar. 31, 2011	West Sacramento
Operation & Maintenance: Infiltration and Inflow, and Line Cleaning	Apr. 6, 2011	Eureka
Avoiding Common Violations	Apr. 7, 2011	Fortuna
<b>SPECIAL EVENT:</b>		
Wastewater / RWRN / CalTAP Fair Symposium	June 1, 2011	Fortuna

### Treatment Plant & Collection System Operation & Maintenance

Learn the basics of both treatment plant and collection system operation and maintenance (O&M) programs. This workshop will teach you how to stay in compliance with waste discharge requirements and Sewer System Management Plans. Learn ways to expand your current O&M plan while providing your customer base with important information they need to help your agency maintain proper O&M.

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Jan. 25, 2011**

*Limited to 40 participants*

**Temecula Creek Inn  
44501 Rainbow Canyon Road  
Temecula, CA 92592**

### Board Roles & Responsibilities

Have you thought about your responsibilities to those you and your board serve in your community? Are you aware of the importance of your role as a board member in the protection of public health? This workshop will take participants through a typical wastewater board meeting. Along the way participants will be faced with a variety of tricky issues from contentious personnel matters to threats of legal action, culminating in a closed session to debate the dismissal of a key employee. Participants gain a thorough understanding of:

- Business, legal, financial and moral responsibilities
- Board versus manager duties
- Open meeting laws (The Brown Act)
- The importance of financial statements and how to understand them

This popular workshop stimulates lively discussion, and is certain to provide a unique perspective for new and experienced board members, as well as general managers or others working with elected officials.

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Jan. 27, 2011**

*Limited to 35 participants*

**Holiday Inn Express  
350 Smoketree Drive  
El Centro, CA 92243**



## Smooth Inspection Visits or Train Wreck?

### Learn the routine mistakes treatment plant operators and managers make

Do you dread State Water Board/Regional Water Quality Control Board (Regional Water Board) inspection visits? These visits can be smooth sailing and a positive learning experience if you learn to take care of the typical mistakes and develop good standard operating procedures prior to a Regional Water Board inspection visit. State records indicate that approximately 40 percent of the violations could be avoided with very little effort on the part of operators and managers of WWTPs. The class will review the basics of what your permit says, what it means, where things go wrong, and most importantly, easy steps that you can take to stay in compliance with your discharge permit. If you have any responsibility for ensuring compliance with your WWTP facility's environmental requirements and in particular the waste discharge requirements or National Pollutant Discharge Elimination System Permits, this training is for you!

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Feb. 23, 2011**

*Limited to 35 participants*

**Holiday Inn Express  
2290 Marketplace  
Madera, CA 93637**

### Process Control Basics: Activated Sludge and Plant Tour

SVI, RAS, MLVSS, MBBR, WAS, MBR, SBR sounds like a bunch of mixed up acronyms. This workshop will take some of the mysterious process control vocabulary/terminology and translate it into meaningful language that you can use at package plants as well as at conventional activated sludge treatment plants. Basic control strategies such as evaluating activated sludge, constant mixed liquor, MCRT, F/M ratio and microscopy will be explored and discussed during this training. Some of the many process variations of the activated sludge process will be reviewed. With Activated Sludge approaching its 100 year anniversary it still can challenge the skill of most operators due to the ever changing types of materials that enter the collection system from day to day life and the varying effects it has on this biological process. The first portion of this six hour workshop will be in the classroom with the afternoon concluding with a plant tour of a working activated sludge treatment plant.



*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Feb. 24, 2011**

*Limited to 30 participants*

**Holiday Inn Visalia  
9000 W. Airport Drive  
Visalia, CA 93277**

### Wastewater Operator Certification Preparation

The purpose of state wastewater certification exams is two-fold: to protect public health and to ensure that operators passing a particular exam grade will have a minimum level of knowledge needed to operate wastewater facilities classified at the same level. This six hour class is geared specifically toward preparing operators to pass the Grades 1 and 2 state certification exams. Topics covered include common wastewater treatment processes such as ponds and lagoons, fixed film systems (Rotating Biological Contactors and trickling filters) and activated sludge. We will also cover the basics of preliminary treatment, primary and secondary processes, post treatment, sludge digestion and solids handling, and disinfection of wastewater effluent.

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Mar. 30, 2011**

*Limited to 30 participants*

**RCAC Corporate Office  
3120 Freeboard Drive  
West Sacramento, CA 95691**



## Wastewater Math Review

This six hour workshop prepares wastewater operators to solve the math problems typically associated with wastewater treatment plants. These include volume, flow, chemical dosage, F/M (Food to Microorganism) ratio, sludge age, detention time, hydraulic loading and MCRT's (Mean Cell Retention Time). Participants will become familiar with the conversion sheet provided to state certification examinees, be shown how to do the problems, and then solve the problems one-by-one, with instructor assistance provided as needed.

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Mar. 31, 2011**

*Limited to 30 participants*

**RCAC Corporate Office  
3120 Freeboard Drive  
West Sacramento, CA 95691**

## Operation & Maintenance: Infiltration and Inflow, and Line Cleaning

Learn what to look for and how to deal with Inflow and Infiltration, and testing procedures that work. We'll discuss simple, yet effective, fixes for manhole infiltration, cover nozzle selection and choosing the best nozzle for the job. Basic O&M concepts to help you spot problems and maintain the collection system effectively will also be discussed. Learn effective methods for cleaning stubborn debris from pipes.

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Apr. 6, 2011**

*Limited to 40 participants*

**Red Lion Hotel Eureka  
1929 Fourth Street  
Eureka, CA 95501**



## Avoiding Common Violations

Stay out of trouble with your regulator and be prepared for larger spills. This workshop will get you up-to-date on the latest regulatory updates and teach you how to avoid common errors and mistakes while maintaining your collection system. We'll cover simple reminders for updating essential paperwork, where to go for the most current information, and suggestions on developing a good working relationship with your local regulators and customers.

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-3:30 p.m.; Lunch is one hour (on your own).*

**Apr. 7, 2011**

*Limited to 40 participants*

**River Lodge Conference Center  
1800 Riverwalk Drive  
Fortuna, CA 95540**



## SPECIAL EVENT: Wastewater / RWRN / CalTAP Fair Symposium

This special event joins the State Water Board, CalTAP Fair for Small Water Systems, and the Redwood Water Resource Network! We'll offer an overview on all the programs, and then concurrent trainings on wastewater and drinking water topics.

*Please see page 3 for detailed topics.*

*Registration/Check-in: 8 a.m.; workshop: 8:30 a.m.-4 p.m.; Lunch is one hour (\$15 cash or you can bring your own lunch). If you want to purchase the lunch, you must register at least one week in advance.*

**June 1, 2011**

**River Lodge Conference Center  
1800 Riverwalk Drive  
Fortuna, CA 95540**

# January-June 2011 Wastewater Workshops Registration Form

There is no fee to attend these workshops. Please register in advance as space may be limited in some locations. When space is limited, priority will be given to small, disadvantaged wastewater systems. When space permits, you may register on-site on a first come, first served basis, with priority given to those who have registered in advance and smaller wastewater systems. Class size for each workshop is noted in the workshop location information. Lunch is on your own. Please complete one form for each person who will attend. You can also register online at [www.rcac.org](http://www.rcac.org) under Trainings and Events/California Wastewater Trainings.

Name: \_\_\_\_\_ Operator Certification #: \_\_\_\_\_

Agency/Wastewater System: \_\_\_\_\_

Operator     Manager     Consultant     State or Federal Agency     Other: \_\_\_\_\_

Mailing address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

E-mail: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_

System ID #: \_\_\_\_\_ Number of service connections: \_\_\_\_\_

System serves a population less than 20,000:     Yes     No     N/A

**Special needs:** If you have special needs addressed by the Americans with Disabilities Act, please notify RCAC at 916/447-9832 ext. 1009 at least three weeks prior to the workshop(s) you are attending, so that we may make accommodations for you.

## — PLEASE REGISTER ME FOR THE FOLLOWING WORKSHOP(S) —

**Online Workshops** are internet-based, two-hour workshops offered **ONCE** a day from 10 a.m.-Noon

- |  |   |
|--|---|
| <p><input type="checkbox"/> 1/6/11    10 a.m.    Board Basics: Roles &amp; Responsibilities</p> <p><input type="checkbox"/> 1/19/11    10 a.m.    Operation &amp; Maintenance: Preparing Wastewater Operation &amp; Maintenance Plans</p> <p><input type="checkbox"/> 1/20/11    10 a.m.    Clean Water SRF Application Process</p> <p><input type="checkbox"/> 2/16/11    10 a.m.    Board Basics: Basic Operations</p> <p><input type="checkbox"/> 2/17/11    10 a.m.    Comply with your Permit: Understand Your Waste Discharge Requirements &amp; Avoid Common Violations</p> <p><input type="checkbox"/> 3/3/11    10 a.m.    Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR) Audit Preparation</p> | <p><input type="checkbox"/> 3/16/11    10 a.m.    Board Basics: Financial Management</p> <p><input type="checkbox"/> 4/5/11    10 a.m.    Revised Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR)</p> <p><input type="checkbox"/> 4/6/11    10 a.m.    Sanitary Sewer Overflow (SSO) Notification and Reporting</p> <p><input type="checkbox"/> 4/20/11    10 a.m.    Clean Water SRF Application Process</p> <p><input type="checkbox"/> 4/21/11    10 a.m.    The Clean Water Act</p> <p><input type="checkbox"/> 5/3/11    10 a.m.    SSO Spill Volume Estimating &amp; How to Use CIWQS</p> <p><input type="checkbox"/> 6/14/11    10 a.m.    How to Hire a Consultant</p> <p><input type="checkbox"/> 6/22/11    10 a.m.    Clean Water SRF Application Process</p> |
|--|---|

**Classroom Workshops:** check in begins at 8 a.m.; workshops start at 8:30 a.m. and end at 3:30 p.m., except for the Symposium which ends at 4 p.m.

- |  |  |
|--|--|
| <p><input type="checkbox"/> 1/25/11    Treatment Plant &amp; Collection System Operation &amp; Maintenance: <b>Temecula</b></p> <p><input type="checkbox"/> 1/27/11    Board Roles &amp; Responsibilities: <b>El Centro</b></p> <p><input type="checkbox"/> 2/23/11    Smooth Inspection Visits or Train Wreck? Learn the routine mistakes treatment plant operators and managers make: <b>Madera</b></p> <p><input type="checkbox"/> 2/24/11    Process Control Basics: Activated Sludge and Plant Tour: <b>Visalia</b></p> | <p><input type="checkbox"/> 3/30/11    Wastewater Operator Certification Preparation: <b>West Sacramento</b></p> <p><input type="checkbox"/> 3/31/11    Wastewater Math Review: <b>West Sacramento</b></p> <p><input type="checkbox"/> 4/6/11    Operation &amp; Maintenance: Infiltration and Inflow, and Line Cleaning: <b>Eureka</b></p> <p><input type="checkbox"/> 4/7/11    Avoiding Common Violations: <b>Fortuna</b></p> <p><input type="checkbox"/> 6/1/11    <b>SPECIAL EVENT:</b> Wastewater / RWRN / CalTAP Fair Symposium: <b>Fortuna</b></p> <p><input type="checkbox"/> <i>Yes, I would like to purchase the lunch (\$15 cash, pay at the door)</i></p> |
|--|--|

**Please mail or fax your registration to:**  
**RCAC Attn: Greta Dushane • 3120 Freeboard Drive, Suite 201 • West Sacramento, CA 95691**  
**Phone: 916/447-9832 ext. 1016 • Fax: 916/372-5636 • Email: [gdushane@rcac.org](mailto:gdushane@rcac.org)**  
**You can also register online at [www.rcac.org](http://www.rcac.org), under Trainings and Events**



**Rural Community Assistance Corporation**

3120 Freeboard Drive, Suite 201  
West Sacramento, CA 95691

 RCAC is the Western RCAP

Nonprofit Org.  
US Postage  
**PAID**  
Permit No. 2418  
Sacramento, CA

## FREE California Wastewater Workshops January-June 2011 Schedule at a Glance

1/25/11	Treatment Plant & Collection System Operation & Maintenance	Temecula
1/27/11	Board Roles & Responsibilities	El Centro
2/23/11	Smooth Inspection Visits or Train Wreck? Learn the routine mistakes WWTP operators and managers make	Madera
2/24/11	Process Control Basics: Activated Sludge and Plant Tour	Visalia
3/30/11	Wastewater Operator Certification Preparation	West Sacramento
3/31/11	Wastewater Math Review	West Sacramento
4/6/11	Operation & Maintenance: Infiltration and Inflow, and Line Cleaning	Eureka
4/7/11	Avoiding Common Violations	Fortuna
6/1/11	<b>SPECIAL EVENT:</b> Wastewater / RWRN / CalTAP Fair Symposium:	Fortuna

**Online Workshops are internet-based, two-hour workshops offered ONCE per day from 10 a.m.- Noon.**

1/6/11	Board Basics: Roles & Responsibilities
1/19/11	Operation & Maintenance: Preparing Wastewater Operation & Maintenance Plans
1/20/11	Clean Water SRF Application Process
2/16/11	Board Basics: Basic Operations
2/17/11	Comply with your Permit: Understand Your Waste Discharge Requirements & Avoid Common Violations
3/3/11	Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR) Audit Preparation
3/16/11	Board Basics: Financial Management
4/5/11	Revised Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR)
4/6/11	Sanitary Sewer Overflow (SSO) Notification and Reporting
4/20/11	Clean Water SRF Application Process
4/21/11	The Clean Water Act
5/3/11	SSO Spill Volume Estimating & How to Use CIWQS
6/14/11	How to Hire a Consultant
6/22/11	Clean Water SRF Application Process

For more information or to register for any of these workshops, please contact Greta Dushane, RCAC, by email at: [gdushane@rcac.org](mailto:gdushane@rcac.org). You can also register online at [www.rcac.org](http://www.rcac.org), under **Training and Events**.



**Classroom  
Workshops:**

**Online  
Workshops:**

## 2011 CFCC Funding Fairs United States Department of Agriculture Rural Development

### United States Department of Agriculture Rural Development

[www.rurdev.usda.gov/ca](http://www.rurdev.usda.gov/ca)

### USDA Rural Development's Community Programs

Housing Programs

Business-Cooperative Programs

### Other Utility Programs

- Electric Programs
- Contact: Larry McGraw (505) 892-0353
  - [larry.mcgraw@wdc.usda.gov](mailto:larry.mcgraw@wdc.usda.gov)
  - (505) 892-0353
- Telecommunications including:
  - Broadband
  - Distance Learning Telemedicine
  - Telephone Service
- Contact: Harry Hutson (623) 535-5450
  - [harry.hutson@wdc.usda.gov](mailto:harry.hutson@wdc.usda.gov)

### Eligible Areas

Must be outside a city, town or census designated place with populations over 10,000 for Water Programs and 20,000 for Community Facilities.



### Eligible Applicants

- Nonprofit Organizations that are broadly based and have significant community support
- Federally Recognized Indian Tribes
- Public Bodies – including cities, counties and special district
- Mutual Water Companies

### Community Facilities Program

- Direct/Guaranteed Loans & Grants
- Health Clinics, Community Centers, Day Care
- Police / Fire Stations & Vehicles
- Libraries/Book Mobiles
- Food related projects
- Rates & Terms: Useful life of facility or 40 yrs
- Population of 20,000 or less
- Applications- accepted all year



## 2011 CFCC Funding Fairs United States Department of Agriculture Rural Development

### Water and Waste Disposal Loans and Grants

- Water Systems
- Wastewater Systems
- Solid Waste Disposal
- Storm Drainage

### Water System Improvements

- Supply
  - Groundwater
  - Surface water
- Treatment
- Storage
- Distribution
- Security



### Wastewater System Improvements

- Sewer Collection
- Sewer Treatment
- Effluent Disposal
- Security



### Types of RUS Financing

- USDA Rural Development Loans/Grants
  - Loans and Grants (Maximum Grant 75%)
  - Loan Only
- Special National Programs

### Eligible Loan and Grant Purposes

- Construction
- Acquire Land and Rights
- Legal and Engineering/Architectural Fees
- Connection Fees

### Loan Only Purposes

- Interest
- Initial Operating
- Purchase of Existing Facilities (water/sewer)
- Refinancing

## 2011 CFCC Funding Fairs

### United States Department of Agriculture Rural Development

#### Rates and Terms

- Interest Rates
  - Established on quarterly basis
  - Based on nonmetropolitan median household income
  - Poverty Rate Below \$38,812 and project corrects health or sanitary violation for water programs or for a community facilities project for direct provision of health care.
  - Intermediate Rate   \$38,812 - \$48,516
  - Market Rate           Above   \$48,516
- Terms: Useful life of the facility or 40 years

#### Water Programs Grant Factors

(Based on need to achieve reasonable user costs)

- 75% Of Project Development Cost
  - Nonmetropolitan median household income is less than \$38,812
- AND**
- Project is necessary to alleviate health or sanitary problem
- 45% Of Project Development Cost
  - Nonmetropolitan median household income is less than \$48,516

#### Repayment Ability

- Cover
  - O&M
  - Debt service
  - Reserve
  - Some capital improvements

#### Security for Loans to Tribes

- Promissory Note
- Assignment of All Tribal Income

#### Security for Loans to Public Bodies

- BONDS
- General obligation bond and/or
- Pledge of taxes or assessment and/or
- Pledge of facility revenue and lien on all land, easements, right-of-way...

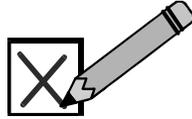
#### Security for Loans to Non-Profit Organizations

- Promissory note
- Assignment of income
- Deed of trust on all land, easements, right-of-way...
- UCC financing statement
- Loan resolution/security agreement

## 2011 CFCC Funding Fairs United States Department of Agriculture Rural Development

### Application Process

- Building community support
- Initial Meeting with USDA
- Pre-Application
- Full Application
- Letter of Conditions
- Obligate Funding
- Funds are not available until after loan closing or start of construction



### Application Components

- SF 424
- Intergovernmental Review
- **Preliminary Engineering Report**
- Other Credit Certification
- Supporting Documentation
- **Environmental Report**
- **Operating Budget / First Full Year**
- **Three Years Audited Financials**

### Bridge Loans

- USDA funds are not available until after loan closing or start of construction
- Bridge loans cover approved pre-development costs
- Apply for loan after letter of conditions are issued
- Approximately 30 days to secure loan
- Loans are typically repaid at loan closing

### Funding Cycle

Federal Fiscal Year -  
October 1 - September 30

Applications are accepted continuously throughout the year

### Contacts

Kevin DeMers (530) 842-6123 ext.112  
Siskiyou County

Debbie Coggins (707) 443-6714 ext.107  
Del Norte & Humboldt Counties

Mike Colbert (530) 233-8860  
Glenn, Lassen, Modoc, Plumas, Shasta, Tehama,  
& Trinity Counties

Kati Hammond (530) 533-4401 ext.127  
Butte, Sutter, Yolo & Yuba Counties

Al Aiello (707) 526-6797 ext.104  
Alameda, Lake, Marin, Mendocino, Monterey,  
Napa, San Benito, San Mateo, Santa Clara, Santa  
Cruz, & Sonoma Counties

**2011 CFCC Funding Fairs  
United States Department of Agriculture Rural Development**

Doug Colucci (916) 714-1104 ext. 106  
El Dorado, Nevada, Placer, Sacramento, Sierra,  
& Solano Counties

Frank Risso (916) 425-4768  
Alpine, Amador, Calaveras, Contra Costa,  
Mono, & San Joaquin Counties

Jose Guardado (209) 538-3783  
Madera, Mariposa, Merced, Stanislaus &  
Tuolumne Counties

Sally Tripp (559) 276-7494 ext.132  
Fresno County

Al Correale (805) 928-9269 ext.119  
San Luis Obispo, Santa Barbara & Ventura  
Counties

Lisa Butler (559) 734-8732 ext.103  
Tulare & Kings Counties

Dan Johnson (661) 336-0967 ext.127  
Kern & Inyo Counties

Daniel Cardona (760) 352-4418 ext.107  
Los Angeles, Orange, Riverside, & San  
Bernardino, Imperial & San Diego Counties

**State Office Contacts**

**Water/Wastewater / Community Facilities**

Dave Hartwell (530) 792-5817  
Anita Lopez (530) 792-5822  
Pete Yribarren (559) 734-8732 ext 108

**THE END**



**2011 CFCC Funding Fairs  
United States Department of the Interior  
Bureau of Reclamation**

**Financial Assistance Opportunities**



**Reclamation's Mission**

**“Manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.”**

**Conservation Partnerships  
Financial and Technical Assistance**

- Water Conservation Field Services Program (WCFSP)
- CALFED Water Use Efficiency Program
- WaterSMART
- Title XVI

**Grant Partnerships**

- Public Law 111-11
- Grants available to States, tribes, irrigation and water districts, and other entities with water or power delivery authority
- Grant projects are selected through a competitive process

**Water Conservation and Efficiency**

- SCADA
- Canal lining/piping
- Tailwater return systems
- Leak detection
- Irrigation retrofits
- Appliance rebate programs

**WCFSP**

- Created in 1997 to aid in Reclamation Reform Act of 1982 (RRA) Compliance
- WCFSP designed to encourage and support water conservation as a non-regulatory, incentive based program
- Locally competed program
- Awards range from \$25,000 to \$100,000

**2011 CFCC Funding Fairs  
United States Department of the Interior  
Bureau of Reclamation**

**WCFSP**

- Focus of the WCFSP
  - Water management planning
  - Improve water management through implementation of conservation measures
  - Demonstrate innovative technologies that conserve water
  - Education to change behavior

**San Luis Canal Company**



**San Luis Canal Company**



**CALFED Water Use Efficiency Program**



- Hub of CVP and SWP
- Provides drinking water to 2/3 of Californians
- 750 plant and animal species
- Provides water to over 4 million acres of farm land
- Supports 80% of California's commercial fisheries

**CALFED Water Use Efficiency Program**

- Accelerate the implementation of cost-effective actions that provide state-wide benefits through water conservation
- Can result in significant benefits to the Delta through water quality, water supply reliability, and instream flows
- To date, Reclamation has awarded 51 grants resulting in over \$32 million being invested into water use efficiency projects statewide

**CALFED Water Use Efficiency Program**



**2011 CFCC Funding Fairs  
United States Department of the Interior  
Bureau of Reclamation**

**WaterSMART Grants**

- **Competed Reclamation-wide**
  - Water and Energy Efficiency Grants
  - Bay Delta Water Conservation and Efficiency Grants
  - System Optimization Reviews
  - Advanced Water Treatment Pilot and Demonstration Projects
  
- **Historically, awards range from \$300,000 to \$1,000,000**

**WaterSMART Grants Budget**

- **Since 2004 \$73.8 million in Federal funding has been awarded to projects in 17 Western States resulting in an estimated water savings of approximately 580,000 acre-feet of water**

FY 2009 Enacted	FY 2009 Recovery Act	FY 2010 Enacted	FY 2011 Requested
\$7 million	\$40 million	\$18 million	\$27 million

**Pelger Mutual Water Company**



**Advanced Water Treatment Pilot and Demonstration Projects**

- New to the WaterSMART Grants Program in 2010
- Accelerates the adoption and use of advanced water treatment technologies to increase water supply
- Encourages pilot and demonstration projects that address the technical, economic, and environmental viability of treating and using brackish groundwater, seawater, impaired waters, or otherwise creating new water supplies

**Advanced Water Treatment Pilot and Demonstration Projects**



Tillman Water Reclamation Plant



Hansen Spreading Grounds

**Title XVI Water Reclamation and Reuse Program**

- **This program identifies and investigates opportunities to reclaim and reuse wastewaters and naturally impaired ground and surface water through planning studies and construction activities**



**2011 CFCC Funding Fairs  
United States Department of the Interior  
Bureau of Reclamation**

**Title XVI**

- Title XVI construction funding is provided to projects specifically authorized by Congress and undertaken by local government entities
- There are currently 53 authorized Title XVI projects
- Through Title XVI over \$520 million in Federal cost-share has been leveraged with more than \$1.7 million in non-Federal funding since 1992, and in 2009 an estimated 245,000 acre-feet of water was recycled through Title XVI projects

**Title XVI Projects**

- Orange County Project
  - \$20 million in Federal funding has been used by the Orange County Water and Sanitation Districts to treat water from an existing facility and pump it through a pipeline to existing recharge facilities where it will be used to recharge the region's groundwater basin
  - The project provides approximately 72,000 acre-feet of water annually for groundwater recharge, injection into seawater intrusion barriers, and landscape irrigation reducing reliance on imported water from the Colorado River



**Thank you**



[www.usbr.gov/mp/watershare](http://www.usbr.gov/mp/watershare)

Funding Opportunity Announcements  
Previously funded projects  
Performance Measures  
Newsletter  
Water Management Planning Tools

# 2011 CFCC Funding Fairs United States Environmental Protection Agency Sustainable Water Infrastructure

## US Environmental Protection Agency: Sustainable Water Infrastructure



<http://www.epa.gov/region9/waterinfrastructure/>

## The Problem

**U.S. Drinking Water and Wastewater Systems Challenges**

<b>Water Scarcity</b>	A minimum of 36 states are anticipating local, regional, or statewide water shortages by 2013.
<b>Climate Change</b>	Changing precipitation patterns, shrinking snow packs, increasing runoff, rising sea levels, and greater saltwater intrusion will likely result in significant adaptation efforts to maintain water resource and infrastructure services.
<b>Increasing Population</b>	Between 1950 and 2000, U.S. population nearly doubled while the demand on public supply systems more than tripled. Increased demands are depleting aquifers at rates exceeding their recharge.
<b>Energy Uncertainty</b>	Fewer sources of conventional fuels and increasingly expensive extraction costs are driving up oil prices, destabilizing the economy and causing global shortages and uncertainty for utility operating budgets.
<b>Aging Infrastructure</b>	Repairing, replacing, and upgrading aging infrastructure will cost between \$300 billion to \$1 trillion over the next 20 years.



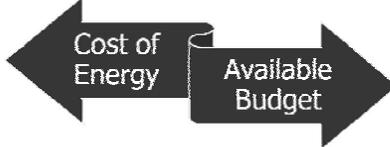


## The Water-Energy Nexus

California	U.S.
~19% of electricity	~3% of national energy consumption
~32% of natural gas	~56 billion kWh
~88 billion gallons of diesel	~45 million tons of GHG

## Energy Use at Water and Wastewater Utilities

- Energy represents the largest controllable cost of providing water services to the public, and is generally on the order of 30-60% of a city's energy bill



## Energy Use at Water and Wastewater Utilities

**\$ AVAILABLE FOR:**

- Capital Improvements (Health/Environment)
- Employment/Benefits
- Regulatory Compliance

↓

↑ Energy Costs

RATES?

# 2011 CFCC Funding Fairs United States Environmental Protection Agency Sustainable Water Infrastructure

## EPA's Sustainable Infrastructure (SI) Program Goals

• We're promoting on-the-ground:

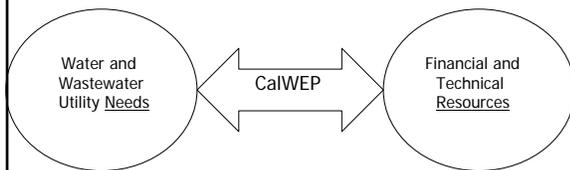
- Water Efficiency,
- Energy Efficiency,
- Renewable Energy Production, and
- Water Recycling (including creative stormwater management/Low Impact Development) projects



## CA Water and Energy Program (CalWEP)

- Numerous government programs provide assistance for water efficiency, water recycling, energy efficiency, and/or renewable energy projects; also private capital
- It's challenging for water and wastewater utilities to keep up with all the funding opportunities to complete SI projects
- Coordination between w/ww utilities and funding agencies can help identify the best "bang for the buck" projects, and combine sources of funding to make an otherwise infeasible project a reality

## CA Water and Energy Program (CalWEP)

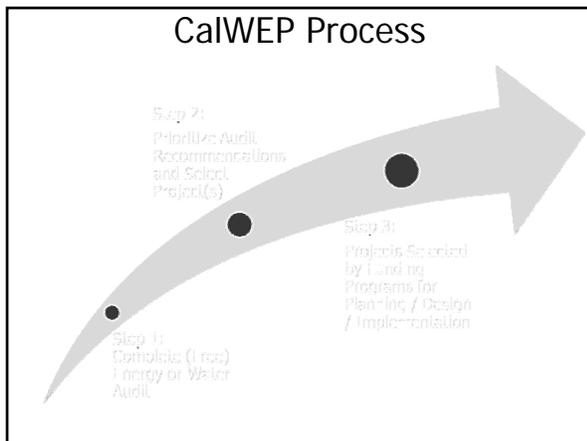


## CalWEP Goals

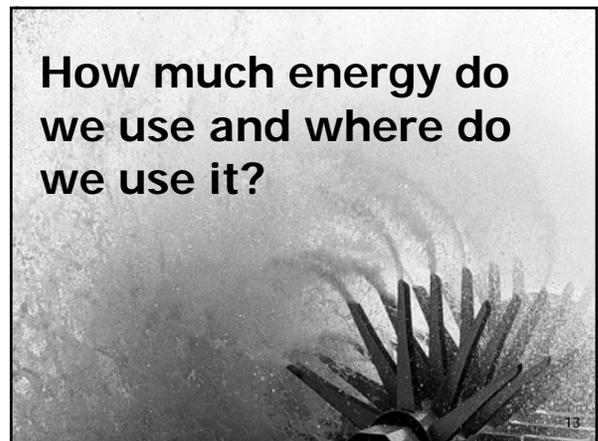
- (1) Reduce non-renewable energy use (and GHG emissions) of participating w/ww utilities by 20% through any combination of SI projects
- (2) Demonstrate/quantify the ability of water sector to meet AB32 requirements and help restore Bay Delta
- (3) Develop a model process to facilitate energy and water innovation at w/ww utilities
- (4) Develop an effective method to coordinate and direct fed, state, energy company, and private resources to highest - potential SI projects
- (5) Save w/ww utilities \$\$\$



## CalWEP Process



**How much energy do we use and where do we use it?**



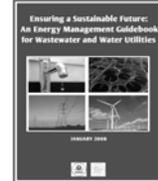
**2011 CFCC Funding Fairs  
United States Environmental Protection Agency  
Sustainable Water Infrastructure**

**CalWEP – Energy Audits**

- Typically identify capital and operational opportunities, and determine payback period (if applicable), can create “shovel ready” projects
- Audits can be conducted on plant designs – very cost effective
- Keep in mind operational improvements can result in substantial savings with little to no cost
  - Time of operation, load demand contracts, unnecessary equipment, management systems, etc.

**CalWEP – Energy Efficiency**

- Equipment Upgrades
- System Design Improvements
- Operational Improvements
- Infiltration & Inflow Repairs
- Implementation of Energy Management Programs



**CalWEP – Water Efficiency**

- Metering / Tiered Rates
- Leak Detection
- Appliance/Fixture Replacement (WaterSense)
- Lawn Replacement



**CalWEP – Renewable Energy**

- Digestion/Combined Heat and Power
  - Fats, Oil, Grease; Food and Ag Waste
- Photovoltaic
  - option: Power Purchase Agreements
- Wind
- Treatment/Collection/Distribution System Hydropower

**CalWEP – Water Recycling**

- Treatment System Upgrades
- Recycled Water Pipelines
- Developing Recycled Water Customers
- Recycled Water Storage/Injection
- Stormwater Reuse
- Grey Water Systems
- Low Impact Development\*

**2011 CFCC Funding Fairs**  
**United States Environmental Protection Agency**  
**Sustainable Water Infrastructure**

**What About Funding/Resources?**

(detailed information in CFCC matrices)

- CA State Water Resources Control Board
- CA Dept of Public Health
- CA Dept of Water Resources/IRWMP
- CA Energy Commission
- CA Public Utilities Commission/Power Co.'s
- USDA Natural Resources Conservation Service
- USDA Rural Development
- US Bureau of Reclamation
- US Environmental Protection Agency
- US Department of Energy
- Energy Service Companies

**Interested in More Information?**

Please contact Eric Byous ([byous.eric@epa.gov](mailto:byous.eric@epa.gov) or 415-972-3531) if you want to discuss sustainable infrastructure opportunities at your utility or anything else from this presentation

Please visit our website for more information and numerous SI success stories...  
[www.epa.gov/region09/waterinfrastructure](http://www.epa.gov/region09/waterinfrastructure)

**Other EPA Funding Programs**

(detailed information in CFCC matrices)

- Brownsfields
- Childhood Lead Poisoning
- Climate Showcase Communities
- Community Action for a Renewed Environment (CARE)
- Diesel Emission Reduction
- Environmental Education
- Environmental Justice
- Nonpoint Source Water Pollution Control
- Pesticide Environmental Stewardship Program
- Pollution Prevention for Tribes and States
- Source Reduction Assistance
- Superfund Technical Assistance Grants
- Tools for Schools

## COMMUNITY FACILITY PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Community Facility (CF) Guarantee	USDA Rural Development	Loan Guarantee	Offer loan Guarantees To Lenders to help Build community facilities	Banks and other commercial lenders make loans to nonprofits & tribes in Communities with < 20,000 in population	NEPA	The loans guaranteed can be used for real estate and equipment  (e.g. clinics, child care, fire stations, public buildings)	Golf Courses	\$100,000 - \$20 million	Negotiated between borrower and lender  Fixed and variable rates  Continuous filing	Pete Yribarren South (559) 734-8732 x108  Anita Lopez North (530)792-5822
Community Facility (CF) Direct Loan	USDA Rural Development	Loan	Develop essential community facilities	In Cities and Towns of <20,000 in population to public bodies, non profits and tribes	NEPA	The loans can be used for real estate and equipment  (e.g. clinics, child care, fire stations, public buildings)	Recreation	\$100,000 - \$20 million	Loans: 4 - 5% (rates subject to change)  40 years maximum term  Continuous filing	Pete Yribarren North (559) 734-8732 x108  Anita Lopez North (530)792-5822
Community Facility (CF) Grant	USDA Rural Development	Grant	To help communities that cannot qualify for a CF loan	In Cities and Towns of <20,000 in population to public bodies, non profits and tribes	NEPA	The grants can be used for real estate and equipment  (e.g. clinics, child care, fire stations, public buildings)	Recreation; feasibility studies, operating expenses	Average \$30,000	Continuous filing	Pete Yribarren South (559) 734-8732x108  Anita Lopez North (530)792-5822
Infrastructure State Revolving Fund (ISRF) Program	California Infrastructure and Economic Development Bank  (I-Bank)	Loan	Provide financing for public infrastructure projects such as educational facilities (libraries, child care, day care and employment training facilities), parks and recreational facilities and public safety facilities	Applicant must be a local municipal entity  Project must meet tax-exempt financing criteria  Project must promote economic development and attract, create, and sustain long-term employment opportunities	CEQA	Acquire land, construct facility or acquire facility	Privately owned facilities, or facilities that are operated by for-profit entities  Debt refinancing	\$2 million maximum per project for educational facilities and parks and recreation facilities per fiscal year  \$10 million maximum per project for public safety facilities per fiscal year  \$20 million maximum per jurisdiction per fiscal year	Interest rate is 67% of Thompson's Municipal Market Index for 'A' rated security  Maximum 30 year term  Open application process  Preliminary Application available at <a href="http://ibank.ca.gov">ibank.ca.gov</a>	Diane Cummings (916) 324-4805

**Webpage:** [http://ibank.ca.gov/infrastructure\\_loans.htm](http://ibank.ca.gov/infrastructure_loans.htm)

## COMMUNITY FACILITY PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Community Development Block Grant (CDBG) Program	State Department of Housing and Community Development	Grants to City and County Jurisdictions	Project must "principally" benefit low income persons/households  For example: create a facility for homeless services or a healthcare facility in a community where at least 51% of residents are low income. Create/expand a facility that creates jobs for low income persons	Cities or counties that are not under HUD's CDBG entitlement program  Jurisdictions can pay for their own community facilities or give the funds to other government agencies or private or non profit agencies	NEPA/CEQA	Pay for project feasibility study, final plans and specs, site acquisition and construction costs, and grant administration  Types of facilities: fire and police stations, homeless and battered family shelters, day care centers for seniors or kids, social service and health care facilities, teen centers, job training and business incubators	Refinancing existing debt  Buildings for general use by local government	Each CDBG Allocation sets funding award limits in their annual NOFA (Typically \$500,000)  Six Allocations: 1-General, 2-Native American, 3-Colonia, 4-Economic Development Enterprise Fund, 5-Economic Development Over the Counter, and 6-Planning and Technical Assistance	Notices of Funding Availability (NOFAs) released each year  Jurisdiction sets type of financing and terms (grants vs. loans)	Patrick Talbott (916) 552-9361
Climate Showcase Communities Grant Program	USEPA	Grant w/ 50% non-federal match	To create replicate models of sustainable community action that generate cost-effective and persistent greenhouse gas reductions while improving the environmental, economic, public health, or social conditions in a community.	Local governments and federally recognized tribes and tribal consortiums	Usually does not apply	Energy performance in municipal operations ( <b>including water and wastewater utilities</b> ), buildings, planning, solid waste and natural resource management, and use or supply of green power products, onsite renewables, and other clean energy supply options and innovative activities.		\$300,000 to \$500,000 awards are subject to the availability of funds and quality of applicants	Applications due Summer 2011;  Selection Fall 2011	Jane Kurtz (202) 343-9304  kurtz.jane@epa.gov
<b>Webpage:</b> <a href="http://www.epa.gov/statelocalclimate/local/showcase/">http://www.epa.gov/statelocalclimate/local/showcase/</a>										
Brownfields Grant Program	USEPA	Grants and loans; Some but not all grant awards require 20% match	To provide funding for communities & other stakeholders in economic redevelopment to work together to assess, safely cleanup, and sustainable reuse Brownfields.	States, cities, towns, counties, federally recognized tribes and nonprofit organizations	Varies by project	Open to creative solutions from community groups, investors, lenders, and/or developers to assess, clean up and return contaminated sites to productive use. Many approaches are eligible		\$95 million awarded nationally in FY 2010	To be determined for FY 2012. FY 2011 applications were due 1/31/11	Laurie Amaro (415) 972-3364  amaro.laurie@epa.gov
<b>Webpage:</b> <a href="http://www.epa.gov/brownfields">http://www.epa.gov/brownfields</a>										

## OTHER INFRASTRUCTURE PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Infrastructure State Revolving Fund (ISRF) Program	California Infrastructure and Economic Development Bank  (I-Bank)	Loan	Provide financing for public infrastructure projects such as: <ul style="list-style-type: none"> <li>environmental mitigation</li> <li>port facilities</li> <li>power and communications transmission or distribution facilities</li> <li>public transit</li> <li>solid waste collection and disposal</li> <li>defense conversion</li> <li>military infrastructure</li> </ul>	<p>Applicant must be a local municipal entity</p> <p>Project must meet tax-exempt financing criteria</p> <p>Project must promote economic development and attract, create, and sustain long-term employment opportunities</p>	CEQA	<p>Construct or modify:</p> <ul style="list-style-type: none"> <li>public infrastructure, purchase and install pollution control or noise abatement equipment</li> <li>docks, harbors, piers, marinas</li> <li>transmission or distribution of electrical energy, natural gas, and telecommunication</li> <li>air and rail transport of goods, including parking facilities</li> <li>transfer stations, recycling centers, sanitary landfills, waste conversion facilities</li> <li>facilities for successfully converting military bases</li> <li>facilities on or near a military installation that enhance military operations</li> </ul> <p>Project must meet tax-exempt financing criteria</p>	<p>Privately owned or operated infrastructure</p> <p>Debt refinancing</p> <p>Power generation</p>	<p>\$2 million maximum per environmental mitigation project per fiscal year</p> <p>\$10 million maximum per project for all other purposes per fiscal year</p> <p>\$20 million maximum per jurisdiction per fiscal year</p>	<p>Interest rate is 67% of Thompson's Municipal Market Index for 'A' rated security</p> <p>Maximum 30 year term</p> <p>Open application process</p> <p>Preliminary Application available at <a href="http://ibank.ca.gov">ibank.ca.gov</a></p>	Diane Cummings (916) 324-4805

**Webpage:** [http://ibank.ca.gov/infrastructure\\_loans.htm](http://ibank.ca.gov/infrastructure_loans.htm)

## OTHER INFRASTRUCTURE PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Community Development Block Grant (CDBG) Program	State Department of Housing and Community Development	Grants to City and County Jurisdictions	<p>Project must "principally" benefit low income persons/households</p> <p>For example: create or improve a park in a community where at least 51% of residents are low income. Upgrade public access to a facility for ADA compliance</p>	<p>Cities or counties that are not under HUD's CDBG entitlement program</p> <p>Jurisdictions can fund their own facilities or pass funds through to special districts or agencies</p>	NEPA/CEQA	<p>Pay for project feasibility study, final plans and specs, site acquisition and construction, and grant administration costs of parks</p> <p>Installation of ADA improvements in public facilities</p>	<p>Maintenance costs</p> <p>Refinancing existing debt</p> <p>Building of general use by local government</p>	<p>Each CDBG Allocation sets funding award limits in Their annual NOFA (Typically \$500,000)</p> <p>Six Allocations: 1-General, 2-Native American, 3-Colonia, 4--Economic Development 5-Enterprise Fund, Economic Development Over the Counter, and 6-Planning and Technical Assistance</p>	<p>Notices of Funding Availability (NOFAs) released each year</p> <p>Jurisdiction sets type of financing and terms (grants vs. loans)</p>	Patrick Talbott (916) 552-9361

## ROADWAY PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Infrastructure State Revolving Fund (ISRF) Program	California Infrastructure and Economic Development Bank  (I-Bank)	Loan	Provide financing for public infrastructure projects such as city streets, county and state highways	Applicant must be a local municipal entity  Project must meet tax-exempt financing criteria  Project must promote economic development and attract, create, and sustain long-term employment opportunities	CEQA	Construct or repair public roadways	Privately owned infrastructure  Debt refinancing	\$10 million maximum per project per fiscal year  \$20 million annual maximum per jurisdiction per fiscal year	Interest rate is 67% of Thompson's Municipal Market Index for 'A' rated security  Maximum 30 year term  Open application process  Preliminary Application available at <a href="http://ibank.ca.gov">ibank.ca.gov</a>	Diane Cummings (916) 324-4805
<b>Webpage:</b> <a href="http://ibank.ca.gov/infrastructure_loans.htm">http://ibank.ca.gov/infrastructure_loans.htm</a>										
Community Facility (CF) Direct Loan	USDA Rural Development	Loan	Finance new construction or repair	Cities, Towns, Nonprofits and Unincorporated areas with less than 20,000 Population	NEPA	Construct or repair public roadways	Private roads	\$20 million per project per year	Loans: 3 - 4%  40 year maximum term  Continuous filing	Anita Lopez (530) 792-5822
Community Development Block Grant (CDBG) Program	State Department of Housing and Community Development	Grants to City and County Jurisdictions	Project must "principally" benefit low income persons/households  For example: Install New roads for residents of a community with over half its residents being low income	Cities or counties that are not under HUD's CDBG entitlement program	NEPA/CEQA	Pay for project feasibility study, final plans and specs, site acquisition and construction, and grant administration costs  Must be rehabilitation or a new road and can include installing street lights, landscaping, and sidewalks  Assist families to install sidewalks in front of their home	Maintenance costs	Each CDBG Allocation sets funding award limits in Their annual NOFA (Typically \$500,000)  Six Allocations: 1-General, 2-Native American, 3-Colonia, 4-Economic Development Enterprise Fund, 5-Economic Development Over the Counter, and 6-Planning and Technical Assistance	Notices of Funding Availability (NOFAs) released each year  Jurisdiction sets type of financing and terms (grants vs. loans)	Patrick Talbott (916) 552-9361



## WASTEWATER & WATER RECYCLING PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Infrastructure State Revolving Fund (ISRF) Program	California Infrastructure and Economic Development Bank (I-Bank)	Loan	Provide financing for construction and/or repair of publicly owned wastewater collection and treatment systems for sewage	<p>Applicant must be a local municipal entity</p> <p>Project must meet tax-exempt financing criteria</p> <p>Project must promote economic development and attract, create, and sustain long-term employment opportunities</p>	CEQA	Acquire land, construct and/or repair collection system and treatment facilities, including equipment	<p>Privately owned infrastructure</p> <p>Debt refinancing</p>	<p>\$10 million maximum per project per fiscal year</p> <p>\$20 million maximum per jurisdiction per fiscal year</p>	<p>Interest rate is 67% of Thompson's Municipal Market Index for 'A' rated security</p> <p>Maximum 30 year term</p> <p>Open application process</p> <p>Preliminary Application available at <a href="http://ibank.ca.gov">ibank.ca.gov</a></p>	Diane Cummings (916) 324-4805
<b>Webpage:</b> <a href="http://ibank.ca.gov/infrastructure_loans.htm">http://ibank.ca.gov/infrastructure_loans.htm</a>										
Community Development Block Grant (CDBG) Program	State Department of Housing and Community Development	Grants to City and County Jurisdictions	<p>Project must "principally" benefit low income persons/households</p> <p>For example: Make up grades to a sewage collection and treatment system for residents of a community with over half of its residents being low income</p>	<p>Cities or counties that are not under HUD's CDBG entitlement program</p> <p>Jurisdictions can pay for their own system or give the funds to private or public systems</p>	NEPA/CEQA	<p>Pay for project feasibility study, final plans and specs, site acquisition and construction, and grant administration costs</p> <p>Pay for one time assessment fees for low income families</p> <p>Pay for installation of private laterals and hook up fees for low income families</p>	<p>Maintenance costs</p> <p>Refinancing existing debt</p>	<p>Each CDBG Allocation sets Funding award limits In their annual NOFA (Typically \$500,000)</p> <p>Six Allocations: 1-General, 2-Native American, 3-Colonia, 4-Economic Development Enterprise Fund, 5-Economic Development Over The Counter, and 6-Planning and Technical Assistance</p>	<p>Notices of Funding Availability (NOFAs) released each year</p> <p>Jurisdiction sets type of financing and terms (grants vs. loans)</p>	Patrick Talbott (916) 552-9361

## WASTEWATER & WATER RECYCLING PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Clean Water State Revolving Fund (CWSRF) Program: Wastewater Treatment Projects	State Water Resources Control Board	Financing*  *Per the State Fiscal Year 2010/11 Intended Use Plan, up to \$72 million may be provided as principal forgiveness to disadvantaged communities	Provide low interest financing for wastewater treatment facilities	Municipality	CEQA+	Collection and treatment facilities or systems including eligible reserve capacity, process control systems, onsite solids handling; allowance costs (planning, design, construction management); and mitigation measures mandated by state and/or federal agencies.	Land, O&M, change orders, decorative items, construction or improvements on private property	\$50 million per agency per year	Interest rate is ½ of the latest general obligation bond rate (may be reduced to as low as 0% for certain SDACs)  Repayment term of 20 years (may be extended to 30 years for certain SDACs)	Meghan Brown (916) 341-5729
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml</a>										
Water Recycling Funding through the CWSRF Program	State Water Resources Control Board	Financing	Provide funding for water recycling projects	Municipal wastewater reclamation only	CEQA+	Construction of water recycling distribution, storage, pumping and treatment facilities.	Land, Operations and maintenance, change orders, decorative items	\$50 million per agency per year	Interest rate is ½ of the general obligation bond  Repayment term of 20 years	Dan Newton (916) 324-8404
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml</a>										
Water Recycling Funding Program – Construction Loan Program	State Water Resources Control Board	Loan*  *Limited funds available as accumulated from Proposition 13 loan repayments.	Provide funding for construction of water recycling distribution, storage, pumping and treatment facilities.	Recycling of municipal wastewater or reclamation of groundwater unusable due to human activities	CEQA	Construction of water recycling distribution, storage, pumping and treatment facilities.	Planning costs, land, easements, O&M, legal costs, on-site retrofits	100% of eligible construction costs.  Cap: Determined by funding source	Continuous application process  Interest rate is ½ of the general obligation bond  Repayment term of 20 years	Dan Newton (916) 324-8404
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml</a>										

## WASTEWATER & WATER RECYCLING PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Water Recycling Funding Program – Facilities Planning Grant Program	State Water Resources Control Board	Grant	Funding for facilities planning studies to determine the feasibility of using recycled water to offset the use of fresh/potable water from state and/or local supplies.	Only public agencies are eligible to receive a facilities planning grant.	Not Applicable	Preparation of a complete facilities planning report, including a market assessment, alternative analysis, development of user assurances and preparation of a construction financing plan.	Pollution control studies, in which water recycling is an alternative, are not eligible.	50 percent of eligible costs up to \$75,000.	Continuous Application Process.	Dan Newton (916) 324-8404
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml</a>										
Water Recycling Funding Program – Construction Grant Program	State Water Resources Control Board	Grant* *Very limited funds available as accumulated from Proposition 13 loan repayments.	Provide funding for construction of water recycling distribution, storage, pumping and treatment facilities.	Recycling of municipal wastewater or reclamation of groundwater unusable due to human activities	CEQA	Construction of water recycling distribution, storage, pumping and treatment facilities.	Planning costs, land, easements, O&M, legal costs, on-site retrofits	Construction grants are limited to 25 percent of the eligible construction cost or \$5 million whichever is less. Funding is limited.	Continuous Application Process.  Must be on Competitive Project List (CPL)	Dan Newton (916) 324-8404
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml</a>										
Seawater Intrusion Control Loan Program	State Water Resources Control Board	Loan	Provide construction loans to projects that prevent the destruction of groundwater quality due to seawater intrusion.	City, county, district, joint powers authority, or other political subdivision of the state involved in water management.	CEQA	Eligible projects may include, but are not limited to, water conservation, freshwater well injection, and substitution of groundwater pumping from local surface supplies.  Construction of distribution, storage, pumping, injection wells and treatment facilities.	Operations and maintenance, legal costs, land, change orders and claims	Eligible projects funded on a first-come-first-served basis. The date of the Division's approval of a complete application will determine the order.	Interest rate is ½ of the general obligation bond  Repayment term of 20 years	Dan Newton (916) 324-8404
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swic.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swic.shtml</a>										
Small Community Wastewater Grant Program	State Water Resources Control Board	Grant	Provide funding to needy communities for the planning, design, and/or construction of wastewater projects	Small, disadvantaged communities (SDACs): population < 20,000; and 2000 Median Household Income (MHI) < \$37,995	CEQA	Collection, treatment, and disposal facilities; mitigation measures; associated purchase of property	Operations and maintenance (O&M), decorative items, construction or improvements on private property	Project cap \$2 million per project	Must be on Competitive Project List (CPL)	Erin Ragazzi (916) 341-5733
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/small_community_wastewater_grant/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/small_community_wastewater_grant/index.shtml</a>										

## WASTEWATER & WATER RECYCLING PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Water and Waste Disposal	USDA Rural Development	Loan/Grant	Provide financing for , wastewater, solid waste and storm drainage systems both new and existing projects	Public bodies, tribes, nonprofits, Cities and Towns and census designated places with populations less tan 10,000	NEPA/CEQA	Funds may be used for costs associated with planning, design, and construction of new or existing systems  Eligible projects include treatment, collection, storm drainage	Facilities not modest in size, design, and cost  For profit systems	None, but average project size \$3-5 million	Loans:2.5% - 4% fixed 40 years  Grant funding available to reduce user costs  Continuous filing	Dave Hartwell USDA State Office (530) 792-5817
Water and Waste Disposal Colonias Grant	USDA Rural Development	Grant	Provide funding to help especially needy communities near the US-Mexico Border pay for all or part of the costs to provide waste disposal and storm drain facilities	Eligible applicants are designated "Colonias" within 150 miles of US-Mexico Border  Cities, Towns, Public bodies, census designated place ,with populations less than 10,000	NEPA/CEQA	Residents to be served must face significant health risks due to the fact that a significant proportion of the community's residents do not have access to, or are not served by, adequate, waste disposal	Facilities not modest in size, design, and cost  For profit systems	Average project cost \$1 million	100% grant, subject to availability  Continuous filing	Dave Hartwell USDA State Office (530) 792-5817
Water and Waste Disposal	USDA Rural Development	USDA guarantees loans made by banks	Provide additional security for commercial lenders that finance wastewater, storm drainage, and solid waste systems	Banks and other commercial lenders are eligible applicants  Cities, Towns, Public bodies, census designated place, with populations less than 10,000	NEPA/CEQA	Funds may be for costs associated with planning, design, and construction of new or existing systems  Eligible projects include treatment, collection, and storm drainage	Facilities not modest in size, design, and cost  For profit systems	None	Negotiated between business and lender  Fixed and variable rates allowed  Continuous filing	Dave Hartwell USDA State Office (530) 792-5817
Biorefinery Assistance Program	USDA – Rural Development	Loan guarantee program	To assist in the development of new and emerging technologies for the development of advanced biofuels (including anaerobic digestion)							Phil Brown (530) 792-5811  Phil.brown@ca.usda.gov

**Webpage:** [http://www.rurdev.usda.gov/BCP\\_Biorefinery.html](http://www.rurdev.usda.gov/BCP_Biorefinery.html)

## WASTEWATER & WATER RECYCLING PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Rural Energy for America Program	USDA – Rural Development	Grants and loan guarantees	To provide assistance for energy audits and renewable energy development							Phil Brown (530) 792-5811  Phil.brown@ca.usda.gov
<b>Webpage:</b> <a href="http://www.rurdev.usda.gov/BCP_ReapEaReda.html">http://www.rurdev.usda.gov/BCP_ReapEaReda.html</a>										
Climate Showcase Communities Grant Program	USEPA	Grant w/ 50% non-federal match	To create replicate models of sustainable community action that generate cost-effective and persistent greenhouse gas reductions while improving the environmental, economic, public health, or social conditions in a community.	Local governments and federally recognized tribes and tribal consortiums	Usually does not apply	Energy performance in municipal operations ( <b>including water and wastewater utilities</b> ), buildings, planning, solid waste and natural resource management, and use or supply of green power products, onsite renewables, and other clean energy supply options and innovative activities.		\$300,000 to \$500,000 awards are subject to the availability of funds and quality of applicants	Applications due Summer 2011.  Selection Fall 2011.	Jane Kurtz (202) 343-9304  kurtz.jane@epa.gov
<b>Webpage:</b> <a href="http://www.epa.gov/statelocalclimate/local/showcase/">http://www.epa.gov/statelocalclimate/local/showcase/</a>										



## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Water and Waste Disposal program	USDA Rural Development	Loan/Grant	Provide loans and grants to develop and rehabilitate community water systems	Public bodies, Tribes, Nonprofits ,Cities, Towns and census designated places with populations less than 10,000	NEPA/CEQA	Funds may be used for costs associated with planning, design, and construction of new or existing systems  Eligible projects include storage, distribution, source development	Facilities not modest in size, design, and cost  For profit systems	None, but average project size is \$3-5 million	Loans: 2.5% - 4% fixed, 40 years  Grant funding available to reduce user costs  Continuous filing	Dave Hartwell USDA State Office (530) 792-5817
Water and Waste Disposal Colonias Grant	USDA Rural Development	Grant	Help especially needy communities within 150 miles of the Mexico Border. Pay for all or part of the costs to provide safe drinking water facilities for the residents	Designated "Colonias" within 150 miles of US- Mexico Border	NEPA/CEQA	Residents to be served must face significant health risks due to the fact that a significant proportion of the community's residents do not have access to, or are not served by, adequate, affordable, water disposal systems	Facilities not modest in size, design, and cost  For profit systems	Average project cost \$1 million	100% grant, subject to availability  Continuous filing	Dave Hartwell USDA State Office (530) 792-5817
Water and Waste Disposal	USDA Rural Development	USDA guarantees loans made by banks	Provide additional security for commercial lenders that finance community water, systems	Banks and other commercial lenders are eligible applicants  Cities, Towns, Public bodies ,census designated place, with populations less than 10,000	NEPA/CEQA	Funds may be for costs associated with Planning, design, and construction of new or existing systems  Eligible projects include water, storage, distribution, and source development	Facilities not modest in size, design, and cost  Privately owned infrastructure	None	Negotiated between business and lender  Fixed and variable rates allowed  Continuous filing	Dave Hartwell USDA State Office (530) 792-5817
Proposition 82 New Local Water Supply	Department of Water Resources	Loan	Water supply development projects and feasibility studies	Local public agencies	CEQA	Construction or study of canals, dams, reservoirs, desalination facilities, groundwater extraction project where more than 50% of expected benefits result from hydroelectric power generation facilities, or other construction or improvements	Power generation facilities, or recreational facilities	\$5 million per eligible construction project  \$500,000 per eligible feasibility study	Interest rate is the State's rate on General Obligation bonds  Repayment term is 20 years for construction projects and 5 years for feasibility studies  Continuous filing  Check website ( <a href="http://www.grantsloans.water.ca.gov">www.grantsloans.water.ca.gov</a> ) for updates	Jerry Snow (916) 651-9264

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 204 Drainage Reuse Program	Department of Water Resources	Grant	Drainage reuse studies	Public agencies	CEQA	Research and technical study projects to develop methods to reuse subsurface agricultural drainage water		\$200,000 per project	<b>This program has been suspended</b>  Check website ( <a href="http://www.grantsloans.water.ca.gov">www.grantsloans.water.ca.gov</a> ) for updated status	Jose Faria (559) 230-3339
Proposition 13 Agricultural Water Conservation Program	Department of Water Resources	Loan	To finance feasible, cost effective agricultural water conservation projects or agricultural programs to improve water use efficiency and to finance feasibility studies for such projects	Local public agencies or incorporated mutual water companies	CEQA	Construction or other capital outlays, including but not limited to canal or ditch piping or lining projects, automating canal structures, water distribution system control improvements, tailwater recovery projects, purchasing and installing water measurement devices, and replacement of leaking distribution system components	General purpose equipment, equipment or materials for operations and maintenance, wellhead rehabilitation, expanded tank storage, water supply, water treatment, water recycling, wastewater treatment, flood control, conjunctive use, and groundwater banking projects	\$5 million cap per eligible project	Interest rate is ½ the State's rate on the most recent sale of general obligation bonds  Repayment up to 20 years  Check website ( <a href="http://www.owue.water.ca.gov/finance/index.cfm">www.owue.water.ca.gov/finance/index.cfm</a> ) for updates	Baryohay Davidoff (916) 651-9666
Proposition 50 (Chapter 6(b)) Pilot and Demonstration Projects for Contaminant Removal Technologies	Safe Drinking Water Office/ Department of Water Resources	Grant	Pilot and Demonstration Projects for Contaminant Removal Technologies	Eligible applicants are public water systems under the regulatory jurisdiction of CDPH and other public entities	CEQA	Pilot and demonstration projects for contaminants such as: Petroleum products, Nitrosodimethylamine; Perchlorate; Radionuclides; Pesticides; Herbicides, or Heavy metals, Pharmaceuticals, and Endocrine disrupters	A Proven/Existing contaminant removal technology method. (Studies must use <u>new technologies</u> )  Grant Funds cannot be used for the operation and maintenance after pilot study is complete.	Up to \$5 million per grant  Non-State cost share required.  Designated funds are being held for Disadvantaged Communities  No match required for disadvantaged communities or small water systems (public water system serving less than or equal to 1,000 service connections or less than or equal to 3,300 population)	Proposal Solicitation Package Release in Summer 2011 with applications due Fall 2011.	Steve Giambrone (916) 653-9722

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 50 (Chapter 6(c)) Ultraviolet and Ozone Treatment	Safe Drinking Water Office/ Department of Water Resources	Grant	Drinking water disinfecting projects using Ultra Violet technology and ozone treatment	Eligible applicants are public water systems under the regulatory jurisdiction of CDPH.	CEQA	Systems that have a maximum contaminant level compliance violation, surface water treatment microbial requirements, or mandatory disinfection required by the CDPH or local agency  Systems must demonstrate the ability to operate and maintain treatment facility  Ozone projects must be designed to minimize residual byproducts	Projects that do not meet technical, managerial, and financial capacity requirements.	Up to \$5 million per grant  Non-State cost share required  Designated funds are being held for Disadvantaged Communities  No match required for disadvantaged communities or small water systems	Proposal Solicitation Package Release in Summer 2011 with applications due Fall 2011.	Steve Giambone (916) 653-9722
Proposition 50 (Chapter 7(g)) Water Use Efficiency Program	CALFED / Department of Water Resources	Grant	Projects to improve agricultural water use efficiency (WUE)	Local agencies; nonprofits; tribes; State educational institutions; cities, counties, or other political subdivisions of the State	CEQA	Agricultural water use efficiency implementation projects or studies that carry out the CALFED Water Use Efficiency Program	Wellhead rehabilitation, new storage tanks providing expanded capacity, water supply development, water treatment, wastewater treatment, flood control, conjunctive use, recycled water, groundwater banking projects, among others	Up to \$3 million for Section A projects and up to \$200,000 for Section B projects  Section A – non-State cost share required; disadvantaged communities may qualify for a cost share reduction or waiver  Section B – a local cost share is not required	Proposal Solicitation Package Release in February 2011 with applications due April 2011.  The total amount available for this funding cycle is \$15 million  Check webpage for updated information on the next funding cycle	Baryohay Davidoff (916) 651-9666

**Webpage;** <http://www.owue.water.ca.gov/finance/index.cfm>

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 84 (Chapter 2, §75026) Integrated Regional Water Management (IRWM)	Department of Water Resources	Grant	Projects to assist local public agencies to meet long-term water management needs of the State, including the delivery of safe drinking water, flood risk reduction, and protection of water quality and the environment.  Grant funds for development and revisions of IRWM Plans, and implementation of projects in IRWM Plans	Applicant must be a local public agency or nonprofit representing an accepted IRWM Region  Other IRWM partners may access funds through their own agreements with the applicant/grantee	CEQA	Development or revision of IRWM Plans. Projects that implement IRWM Plans	Operation and maintenance activities	Bond funding allocation for entire program is \$1billion Prop 84 allots grant funding to 11 funding areas.  Guidelines contain information on how potential funding of multiple IRWM efforts within a funding area will occur and maximum grant amount per funding area. Guidelines have been combined with Prop 1E SWFM funding.  Each Proposal Solicitation Package will have predetermined amount of funds available.	\$20 million available for Planning grants and \$100 million available for Implementation grants.  Guidelines and PSPs released for Planning and Implementation grants Aug. 2010. Planning Grant applications due Oct. 2010. Implementation grant applications due Jan. 2010. Second round of IRWM funding anticipated in Summer/Fall 2011. 25% minimum cost share with waivers for DACs  Check webpage for updated status	Joe Yun (916) 653-9222

**Webpage:** [www.grantsloans.water.ca.gov/grants/irwm/integregio.cfm](http://www.grantsloans.water.ca.gov/grants/irwm/integregio.cfm)

Proposition 84 Delta and San Joaquin and Sacramento Rivers Water Quality Grant Program	Department of Water Resources	Grant	Water quality improvement projects	Local agencies	CEQA	Projects which result in improvements to water quality in the Delta and San Joaquin and Sacramento River Basins that protect drinking water supplies	Projects that do not show direct protection of drinking water supplies	\$5million to \$30 million, depending on geographic location and project type	Final Guidelines and first proposal solicitation package released in July, 2010. Award letters were sent for three projects in Group I – Delta Region Projects. Next PSP anticipated Winter 2011/ Spring 2012.  Check webpage: for updated status	Genevieve Schrader (916) 653-2118
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**Webpage:** [http://baydeltaoffice.water.ca.gov/sdb/prop84/index\\_prop84.cfm](http://baydeltaoffice.water.ca.gov/sdb/prop84/index_prop84.cfm)

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 84 Local Levee Assistance Program	Department of Water Resources	Grant	Local Levee Evaluation Projects (LOLE) - Evaluate levee stability and levee seepage and underseepage;  Local Levee Urgent Repair Projects (LLUR) - Repair and improve critically damaged local levees.	Local public agencies  Levees located outside of the Delta  Levees that are not part of the State Plan of Flood Control.	CEQA	LOLE - Evaluation of levee stability, seepage, or underseepage for local levees (levees not part of the State Plan of Flood Control) not located within the Sacramento-San Joaquin Delta;  LLUR - Repair and improvement of critically damaged local levees (levees not part of the State Plan of Flood Control) located within the Sacramento-San Joaquin Delta	LOLE - Evaluation of levees that are part of the State Plan of Flood Control or that are located within the Sacramento-San Joaquin Delta;  LLUR - Repair or improvement of levees that are part of the State Plan of Flood Control for the Central Valley or are located within the Sacramento-San Joaquin Delta	LOLE - \$1 million per applicant;  LLUR - \$5 million per applicant	Guidelines and solicitation package expected to be released Jan. 2011 and applications due March 2011.  Check webpage for updates	David Wright (916) 574-2644

**Webpage:** [www.water.ca.gov/floodSAFE](http://www.water.ca.gov/floodSAFE)

Proposition 84 Flood Protection Corridor Program	Department of Water Resources	Grant	Flood risk reduction through non-structural projects that include wildlife habitat enhancement and/or agricultural land preservation components	Local government agencies or nonprofit organizations	CEQA	Funding acquisition of real property or easements in a floodplain from willing sellers; preserving or enhancing flood-compatible agricultural use; restoration of habitat compatible with seasonal flooding; and related activities	Flood protection projects that do not include wildlife habitat enhancement or agricultural land preservation benefits	\$5 million per eligible project	Solicitation package released Oct. 2010 with applications due Dec. 2010.  Check webpage for updates	Earl Nelson (916) 574-1244
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**Webpage:** [www.water.ca.gov/floodSAFE](http://www.water.ca.gov/floodSAFE)

Proposition 84 Delta Levee Subventions  (Delta Levees Program)	Department of Water Resources	Grant (Claims Reimb.)	Maintain and rehabilitate non-project levees in the Delta	Local levee maintaining agencies and Reclamation Districts  Levees not part of the State-Federal Flood Control System  Levees located within the Delta	CEQA	Delta Levee System maintenance projects that meet goals of the CALFED Record of Decision (August 2000)	Projects that do not meet requirements for environmental mitigation (AB 360) and agricultural irrigation or drainage projects	Up to 75% State reimbursement for eligible costs, pursuant to executed funding agreement	New solicitation package and tracking system will be released in Spring 2011. Claim submittals accepted on annual basis, pursuant to executed funding agreement  Claims paid based on available State funding  Check webpage for updates	Mike Mirmazaheri (916) 651-7016
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**Webpage:** [www.water.ca.gov/floodSAFE](http://www.water.ca.gov/floodSAFE)

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 84 Special Flood Control Projects  (Delta Levees Program)	Department of Water Resources	Grant (Claims Reimb.)	Improvement and enhancement of the Delta levee system and habitat restoration in the Delta	Local levee maintaining agencies and Reclamation Districts  Projects located within the Delta	CEQA	Flood protection improvement projects and habitat restoration in the Delta	Projects that do not meet requirements for environmental mitigation (AB 360) and agricultural irrigation or drainage projects	Up to 100% State reimbursement for eligible costs, pursuant to executed funding agreement	New solicitation package and tracking system will be released in Spring 2011. Claim submittals accepted on monthly basis based on project expenditures, with executed funding agreement  Check webpage for updates	Mike Mirmazaheri (916) 651-7016
<b>Webpage:</b> <a href="http://www.water.ca.gov/floodSAFE">www.water.ca.gov/floodSAFE</a>										
Proposition 84 Flood Control Subventions Program	Department of Water Resources	Grant (Claims Reimb.)	Implementation of federally-authorized flood control projects (minor or major) and Watershed Protection Flood Prevention Projects	Local public agencies	CEQA/NEPA	Major flood control projects authorized by Congress; small flood control projects authorized by PL 80-858 and the U.S. Army Chief of Engineers; and watershed protection projects, which include projects authorized by the Administrator of the Natural Resources Conservation Service	Flood control projects without federal authorization	Variable state cost-share percentage based on multi-purpose objectives for projects, ranging from a minimum of 50% to a maximum of 70%	Claim submittals accepted on continuous basis  Claims paid based on available State funding  Check webpage for updates	Varda Disho (916) 574-2745
<b>Webpage:</b> <a href="http://www.water.ca.gov/floodSAFE">www.water.ca.gov/floodSAFE</a>										
Proposition 84 Urban Streams Restoration Program	Department of Water Resources	Grant	Reduce urban flooding and erosion, restore environmental values, and promote stewardship of urban streams	Local government agencies and citizens groups/nonprofits (together)	CEQA	Examples include creek cleanups; eradication of exotic or invasive plants; revegetation efforts; bioengineering bank stabilization projects; channel reconfiguration to improve stream geomorphology and aquatic habitat functions; acquisition of parcels critical for flood management; and coordination of community involvement in projects	Include, but not limited to, exclusively educational or fish and wildlife enhancement projects; lake or reservoir enhancements; planning only projects; and mitigation for development or other projects	\$1 million per eligible project	Next grant application solicitation anticipated in Winter 2011.  Check webpage for updates on the next funding cycle	Sara Denzler (916) 651-9625
<b>Webpage:</b> <a href="http://www.grantsloans.water.ca.gov">www.grantsloans.water.ca.gov</a>										

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 84 Local Groundwater Assistance	Department of Water Resources	Grant	Assistance for local public agencies to conduct groundwater studies or carry out groundwater monitoring or management activities	Local public agencies	CEQA	Groundwater data collection, modeling, monitoring, and management studies; monitoring programs; installation of monitoring wells and equipment; basin management; development of information systems; groundwater planning; and other groundwater management related activities	Projects without a clear nexus to groundwater management, projects which solely benefit private landowners or water users, research not directly related to groundwater management, and most production wells	\$250,000 per eligible project or study	\$4.68 million available. Next solicitation anticipated Jan. 2011 with applications due March 2011.  Check webpage for updates	Bill Hoffmann (916) 651-9229
<b>Webpage:</b> <a href="http://www.water.ca.gov/lgagrant/">http://www.water.ca.gov/lgagrant/</a>										
Proposition 1E Central Valley Non-Structural Flood Improvement Grants	Department of Water Resources	Grant	Flood risk reduction through non-structural projects protecting rural and non-urban communities in the Central Valley	rural and non-urban communities in the Central Valley	CEQA	non-structural projects including ring levees, raising foundations,	Flood protection projects protecting urban communities or structural projects protecting rural and non-urban communities	\$5 million per eligible project.	Final Guidelines expected November 2010. Proposal Solicitation Packages in December 2010 w/applications due February 2011.  Check webpage for updates	Earl Nelson 916 574-1244
<b>Webpage:</b> <a href="http://www.water.ca.gov/floodSAFE">www.water.ca.gov/floodSAFE</a>										
Proposition 1E Floodway Corridor Program	Department of Water Resources	Grant	Similar to the Flood Protection Corridor Program—flood risk reduction through primarily non-structural projects, but focus will likely be on protecting urban areas	Local public agencies or nonprofit/citizens groups	CEQA	Funding acquisition of property rights from willing sellers and related activities for floodway corridor projects, particularly those that will reduce flood risk for urban areas	Flood protection projects that do not include wildlife habitat enhancement or agricultural land preservation benefits	\$5 million per eligible project.	Solicitation released Oct. 2010. Applications due Dec. 2010.  Check webpage for updates	Earl Nelson 916 574-1244
<b>Webpage:</b> <a href="http://www.water.ca.gov/floodSAFE">www.water.ca.gov/floodSAFE</a>										

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 1E Early Implementation Projects  (State-federal Flood Control System Modification Program)	Department of Water Resources	Grant	Rehabilitate, reconstruct, or replace levees, weirs, bypasses, and facilities of the State Plan of Flood Control; or improve or add to facilities of the State Plan of Flood Control to increase flood protection levels for urban areas	Local public agencies and Federal agencies  Projects are or would become facilities of the State Plan of Flood Control  Projects are consistent with objectives of Propositions 1E and 84	CEQA/NEPA	Rehabilitation, reconstruction, or replacement of levees, weirs, bypasses, or other facilities of the State Plan of Flood Control and improvement or addition of facilities to the State Plan of Flood Control to increase flood protection levels for urban areas	Flood control projects involving facilities outside the State Plan of Flood Control	To be determined under program guidelines. Maximum state funding allowed is \$200M per project.	Solicitation for applications in .Nov. 2010 with application due dates for project proposals to be announced upon release of final program guidelines— expected in November 2010  Check webpage for updates	Kelly Fucciolo (916) 574-2640
<b>Webpage:</b> <a href="http://www.water.ca.gov/floodSAFE">www.water.ca.gov/floodSAFE</a>										
Proposition 1E CVFPB Capital Outlay Projects and Studies	Department of Water Resources	Grant	Evaluate, rehabilitate, reconstruct, or replace levees, weirs, bypasses, and facilities of the State Plan of Flood Control; to increase flood protection levels for urban areas	Local public agencies and Federal agencies  Projects are facilities of the State Plan of Flood Control  Projects are consistent with objectives of Propositions 1E and 84	CEQA/NEPA	Evaluation, rehabilitation, reconstruction, or replacement of levees, weirs, bypasses, or other facilities of the State Plan of Flood Control.	Flood control projects involving facilities outside the State Plan of Flood Control – Must meet Federal Interest Requirements	In accordance with Corps, State and Local Agreements	Next Federal and State funding cycle expected in 2011	Kent Zenobia (916) 574-2639
Proposition 1E (Article 4, §5096.827) Stormwater Flood Management Program	Department of Water Resources	Grant	Stormwater management projects that reduce flood damage	Local agency or nonprofit representing an IRWM effort  Project is located outside the State Plan of Flood Control  Project must be part of an existing IRWM Plan and be consistent with applicable Water Quality Basin Plan	CEQA	Projects designed to manage stormwater runoff to reduce flood damage	Operations and maintenance activities	\$30 million per eligible project  See SBxx1 (Perata) for additional information on funding allocations	\$300 million available  Guidelines and solicitation released Aug. 2010. Applications due April 2011.  50% cost share (no ability to waive or reduce for DAC)  Check webpage for updates	Joe Yun (916) 651-9222
<b>Webpage:</b> <a href="http://www.grantsloans.water.ca.gov/grants/irwm/integregio.cfm">www.grantsloans.water.ca.gov/grants/irwm/integregio.cfm</a>										

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 82 New Local Water Supply	Department of Water Resources	Loan	Water supply development projects and feasibility studies	Local public agencies	CEQA	Construction or study of canals, dams, reservoirs, desalination facilities, groundwater extraction project where more than 50% of expected benefits result from hydroelectric power generation facilities, or other construction or improvements	Power generation facilities, or recreational facilities	\$5 million per eligible construction project  \$500,000 per eligible feasibility study	Interest rate is the State's rate on General Obligation bonds  Repayment term is 20 years for construction projects and 5 years for feasibility studies  Continuous filing  Check webpage for updates	Jerry Snow (916) 651-9264
<b>Webpage:</b> <a href="http://www.grantsloans.water.ca.gov">www.grantsloans.water.ca.gov</a>										
Community Development Block Grant (CDBG) Program	State Department of Housing and Community Development	Grants to City and County Jurisdictions	Project must principally benefit low income persons/households.  For example: do water system upgrades for residents of communities with over half of its residents being low income or extend water service to a site for a business that creates jobs for low income persons	Cities or counties that are not under HUD's CDBG entitlement program  Jurisdictions can pay for improvements to their own system or give the funds to private or public water providers	NEPA/ CEQA	Pay for project feasibility study, final plans and specs, site acquisition and construction, and grant administration costs  Pay for one time assessment fees for low income families  Pay for installation of private laterals and hook up fees for low income families	Maintenance costs  Refinancing of existing debt	Each CDBG Allocation sets funding award limits In their annual NOFA (Typically \$500,000)  Six Allocations: 1-General,2- Native American, 3- Colonia, 4-Economic Development Enterprise Fund, 5-Economic Development Over The Counter, and 6-Planning and Technical Assistance	Notices of Funding Availability (NOFAs) released each year  Jurisdiction sets type of financing and terms (grants vs. loans)	Patrick Talbott (916) 552-9361

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Proposition 84 Chapter 2 Public Resources Code  Section 75022	California Department of Public Health	Grants	Grants for small community drinking water system infrastructure improvements and related actions to meet chemical and nitrate drinking water standards.	Must be a small community water system with a population less than 10,000 or a public school; priority given to disadvantaged communities; must be in noncompliance with a primary standard or treat surface water and be under a boil water order	CEQA	Please call or check CDPH website for more information.  <a href="http://www.cdph.ca.gov/certlic/drinkingwater/Pages/DWPfunding.aspx">http://www.cdph.ca.gov/certlic/drinkingwater/Pages/DWPfunding.aspx</a>		\$5 million per project  \$500,000 for feasibility study	Pre-application	Noel Gordon (916) 445-7290

**Webpage:** <http://www.cdph.ca.gov/services/funding/Pages/Prop84.aspx>

Safe Drinking Water State Revolving Fund (SDWSRF)	California Department of Public Health	Loans Grants	Provide low interest loans or grants to assist public water systems in achieving or maintaining compliance with the Safe Drinking Water Act (SDWA)	Must be a public water system  Project must be needed to comply with the SDWA  Project must be on CDPH's project priority list  System must meet technical, managerial, and financial requirements  All applications are for loans; financial review determines if grant funds apply	CEQA  Some projects CEQA/ NEPA	Water treatment facilities, replace aging infrastructure, planning studies, consolidation of water systems, source water protection, etc	Dams or rehab of dams, O&M costs, lab fees for monitoring, projects mainly for fire protection or future growth, etc	\$500,000 per planning study  \$20 million per project and \$30 million per entity per cap grant  Call program for grant limitations	Pre-application  Invited annually  Loan: Interest rate is ½ the general obligation rate  2009 program rate is 2.5017%, paid back over 20 years. The rate changes every January  Disadvantaged system can obtain a zero interest loan  Disadvantaged public and mutual systems may receive partial grant funding	Dat Tran (916) 449-5644
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**Webpage:** <http://www.cdph.ca.gov/services/funding/Pages/SRF.aspx>

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Infrastructure State Revolving Fund (ISRF) Program	California Infrastructure and Economic Development Bank  (I-Bank)	Loan	Provide financing for construction and/or repair of publicly owned water supply, treatment and distribution systems, and drainage, and flood control facilities	Applicant must be a local municipal entity  Project must meet tax-exempt financing criteria  Project must promote economic development and attracts, creates, and sustains long-term employment opportunities	CEQA	Acquire land, construct and/or repair water collection and treatment systems, including equipment	Privately owned infrastructure  Debt refinancing	\$10 million maximum per project per fiscal year  \$20 million annual maximum per jurisdiction per fiscal year	Interest rate is 67% of Thompson's Municipal Market Index for 'A' rated security  Maximum 30 year term  Open application process  Preliminary Application available at <a href="http://ibank.ca.gov">ibank.ca.gov</a>	Diane Cummings (916) 324-4805
<b>Webpage:</b> <a href="http://ibank.ca.gov/infrastructure_loans.htm">http://ibank.ca.gov/infrastructure_loans.htm</a>										
Clean Water State Revolving Fund Program, Expanded Use	State Water Resources Control Board	Financing	Provide funding for nonpoint source and estuary projects	Public Agencies and nonprofit organizations	CEQA +	Stormwater treatment and diversion, sediment and erosion control, stream restoration, land acquisition.	Operations and maintenance costs, legal fees.	\$50 million per agency per year.	Interest rate is one-half general obligation bond rate. Repayment term of 20 year.  Applications through FAAST.	Julé Rizzardo  916-341-5822
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/expanded_use.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/expanded_use.shtml</a>										
Proposition 84 Storm Water Grant Program	State Water Resources Control Board	Grant	Provide grants for projects designed to reduce and prevent storm water contamination of rivers, lakes, and streams	Local public agencies	CEQA	Implement low-impact development and other onsite and regional practices, on public and private lands  Comply with storm water-related total maximum daily load (TMDL) requirements established pursuant to section 303(d) of the Clean Water Act (33 U.S.C. § 1313(d)) and Division 43 of the California Public Resources Code (PRC)	Operations and maintenance activities	\$3 million per project	First funding cycle anticipated 2011.  Applications through FAAST.	Erin Ragazzi (916) 341-5733
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/prop84/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/prop84/index.shtml</a>										

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
319(h) Non-point Source Grant Program	State Water Resources Control Board	Grant	Projects to control non-point source pollution consistent with Total Maximum Daily Loads, or those under development	Public Agencies Local Agencies Non-profits Indian Tribes	CEQA	Planning and implementation projects meeting Regional Water Quality Control Board preferences	Operation and maintenance activities  Projects that include activities required under a National Pollutant Discharge Elimination System (NPDES) permit	\$4.5 million total, with \$75K to \$125 K per planning project, and \$250K to \$750K per implementation project. Requires 25% match unless disadvantaged.	Annual solicitation, with applications through FAAST.	Patricia Leary (916) 341-5167
<b>Webpage:</b> <a href="http://www.waterboards.ca.gov/water_issues/programs/grants_loans/319h/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/grants_loans/319h/index.shtml</a>										
WaterSMART: Bay-Delta Agricultural Water Conservation and Efficiency Projects	US Bureau of Reclamation /NRCS	Grant	Program focused on the restoration of the Delta's fragile ecosystem while improving water supply reliability and agricultural water users. Accelerate the implementation of cost-effective actions that provide state-wide benefits through water conservation	In accordance with Public Law 111-11, any eligible applicants are State, Indian tribe, irrigation district, water districts, or other organization with water or power delivery authority. Applicants must also be located in the CALFED solution area as identified in the 1999 CALFED Programmatic Environmental Impact Statement/ Environmental Impact Report.	NEPA	Projects should seek to conserve and use water more efficiently, and result in quantifiable and sustained water savings or improve water management.	Projects that are considered normal operations, maintenance, and replacement (OM&R) are not eligible. Any projects or project elements that are part of a Congressionally authorized Title XVI Water Recycling and Reuse project of Public Law 102-575, as amended (43 U.S.C. 390h et seq.), are not eligible for funding under this program.	Depends on final FY 011 appropriations, up to \$5 million in Federal funds will be available for awards up to \$1 million per project. Reclamation encourages entities to apply for any level of funding up to \$1million. No funding assistance minimum and all funding requests will equally be considered. Reclamation's share of any one proposed project shall not exceed 50 percent of total project costs.	For FY 2011, proposals must be received by January 31, 2011, 3:00 p.m. PST.	Sheri Looper (916) 978-5219

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
WaterSMART: Water and Energy Efficiency Grants	US Bureau of Reclamation	Grant	Objective of this Funding Opportunity Announcement (FOA) is to invite States, Indian Tribes, irrigation districts, water districts and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with Reclamation on projects that save water, improve energy efficiency, address endangered species and other environmental issues, and facilitate transfers to new uses.  Water conservation, use of water markets, and improved efficiency are crucial elements of any plan to address western U.S. water issues. With leveraged water and energy efficiency grants, an important step will be taken towards increasing conservation for a more efficient use of water in the West.	Under P.L. 111-11, Section 9502, an eligible applicant is a State, Indian tribe, irrigation district, water district, or other organization with water or power delivery authority located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.  Applicants must be willing to cost share 50 percent or more of the total project costs	NEPA	Projects should seek to conserve and use water more efficiently, increase the use of renewable energy, protect endangered and threatened species, facilitate water markets, or carry out other activities to address climate-related impacts on water or prevent any water-related crisis or conflict.	Projects that are considered normal operations, maintenance, and replacement (OM&R) are not eligible. OM&R is described as system improvements that replace or repair existing infrastructure or function without providing increased efficiency or effectiveness of water distribution over the expected life of the improvement.  Any projects or project elements that are part of a congressionally authorized Title XVI project of Public Law 102-575, as amended (43 U.S.C. 390h et seq.), are not eligible for funding under this FOA.  A project that proposes using Federal funding for purchasing water is not eligible under this FOA.	President's FY 2011 budget request includes \$27 million total for all WaterSMART Grants FOAs.  Funding will be awarded at one of two levels: up to \$300,000 per agreement or between \$300,001 and \$1million per agreement.  No more than \$1 million in WaterSMART Grant funds will be awarded to any one applicant under all WaterSMART Grants issued in FY 2011.	To be determined	Dean Marrone (303) 445-3577

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
WaterSMART: Advanced Water Treatment Pilot and Demonstration Projects	US Bureau of Reclamation	Grant	The objective of this FOA is to invite States, Indian Tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with Reclamation on pilot and demonstration projects that accelerate the adoption and use of AWT technologies to increase water supply. Projects funded under this FOA will encourage pilot and demonstration projects that address the technical, economic, and environmental viability of treating and using brackish groundwater, seawater, impaired waters, or otherwise creating new water supplies within a specific locale.	Under P.L. 111-11, Section 9502, an eligible applicant is a State, Indian tribe, irrigation district, water district, or other organization with water or power delivery authority located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.  Applicants must be willing to cost share 50 percent or more of the total project costs	NEPA	Emphasis will be directed toward applications for pilot and demonstration projects that address the technical and economic viability of treating and using brackish groundwater, seawater, impaired waters, or otherwise creating new water supplies within a specific locale.	Funding is not available for the construction of a full-scale plant under this opportunity.  Projects that are considered normal operations, maintenance, and replacement (OM&R) are not eligible. OM&R is described as system improvements that replace or repair existing infrastructure or function without providing increased efficiency or effectiveness of water distribution over the expected life of the improvement.  Any projects or project elements that are part of a congressionally authorized Title XVI project of Public Law 102-575, as amended (43 U.S.C. 390h et seq.), are not eligible for funding under this FOA.	The President's FY 2011 budget request includes \$27 million total for all WaterSMART Grants FOAs.  Applicants may seek project awards of up to \$600,000 per agreement.  No more than \$1 million in WaterSMART Grant funds will be awarded to any one applicant under all WaterSMART Grants issued in FY 2011.	To be determined	Dean Marrone (303) 445-3577

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
WaterSMART: Research Grants to Develop Climate Analysis Tools	US Bureau of Reclamation	Grant	Objective of this FOA is to invite universities, non-profit research institutions, and organizations with water or power delivery authority to leverage their money and resources by cost sharing with Reclamation on research activities designed to enhance the management of water resources, including developing tools to assess the impacts of climate change on water resources.	In accordance with P.L. 111-11, Section 9504 of the Secure Water Act, eligible applicants include any university located in the United States; non-profit research institution located in the United States; or organization with water or power delivery authority located in the western United States or Territories (as identified in the Reclamation Act of June 17, 1902, as amended and supplemented.  Applicants must be willing to cost share 50 percent or more of the total project costs	NEPA	Projects should seek to develop knowledge, information, and tools that will lead to enhanced management of water resources in the western United States in a changing climate. Proposed projects are expected to deliver new capabilities that address knowledge gaps summarized in U.S. Geological Survey (USGS) Circular 1331, Chapter 6, Table 2 (See <a href="http://pubs.usgs.gov/circ/1331/Circ1331.pdf">http://pubs.usgs.gov/circ/1331/Circ1331.pdf</a> - page 34) or updates thereof. Knowledge gaps in Table 2 were identified by water and environmental resource managers as critical to their ability to effectively manage water and aquatic habitats in a changing climate.		President's FY 2011 budget request includes \$27 million total for all WaterSMART Grants FOAs.  Applicants may seek project awards of up to \$200,000 per agreement.  No more than \$1,000,000 in WaterSMART Grant funds will be awarded to any one applicant under all WaterSMART Grants issued in FY 2011.	To be determined	Dean Marrone (303) 445-3577

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
WaterSMART: System Optimization Review Grants	US Bureau of Reclamation	Grant	<p>Objective of FOA is to invite States, Indian tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage money and resources by cost-sharing with Reclamation to assess potential for water management improvements and identify specific ways to implement those improvements.</p> <p>SORs consist of:                      (1) An assessment of the potential for water management improvements in a river basin, system, or district                       (2) A report identifying specific improvements to increase efficiency, including a plan of action for implementing the recommendations</p>	<p>Under P.L. 111-11, Section 9502, an eligible applicant is a State, Indian tribe, irrigation district, water district, or other organization with water or power delivery authority located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.</p> <p>Applicants must be willing to cost share 50 percent or more of the total project costs</p>	NEPA	<p>Grants will be awarded to SOR projects that can produce a completed final report, including plans of action to secure water through water conservation, efficiency, and markets</p> <p>SORs are intended to focus on improving efficiency throughout a system, district, river basin, or a portion thereof—not on a single structure such as improving one headgate or lining one ditch. SORs are intended to take a broad look at system-wide efficiency, and they are not focused on single project-specific planning</p>	<p>SOR funding may not be applied to the cost of design, engineering, or construction of a particular recommended project. Funding for the design, engineering, or construction of a project may be available under a separate FOA for Water and Energy Efficiency grants</p>	<p>The President's FY 2011 budget request includes \$27 million total for all WaterSMART Grants FOAs.</p> <p>Applicants may seek project awards of up to \$300,000 per agreement.</p> <p>No more than \$1,000,000 in WaterSMART Grant funds will be awarded to any one applicant under all WaterSMART Grants issued in FY 2011.</p>	To be determined	Dean Marrone (303) 445-3577

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Water Conservation Field Services Program (WCFSP)	US Bureau of Reclamation	Grant	Emphasis directed toward proposals that encourage water conservation; assist water agencies to develop and implement effective water management and conservation plans; coordinate with State and other local conservation plan efforts; and generally foster improved water management on a regional, statewide and watershed basis	In accordance with Public Law 111-11, any eligible applicants are any State, Indian tribe, irrigation district, water districts, or other organization with water or power delivery authority. Entities must have a defined relationship with one or more Reclamation Water Projects in following areas in Mid-Pacific Region: South Central California Area Office, Fresno, California; Central California Area Office, Folsom, California, Lahontan Basin Area Office, Carson City, Nevada and Northern California Area Office, Redding, California.	NEPA	Emphasis directed toward proposals that encourage water use efficiency and water management planning. Project must also have a defined relationship to one, or more, specific Reclamation water projects. Proposals should emphasize water management planning or implementation of water use efficiency measures	Projects that are considered normal Operations, Maintenance, and Replacement (OM&R) are not eligible. OM&R is described as system improvements that replace or repair existing infrastructure or function without providing increased efficiency or effectiveness of water distribution over the expected life of the improvement.	Reclamation encourages entities to apply for any level of funding up to \$100,000. There is no funding assistance minimum under this program, and all funding requests will equally be considered. Reclamation's share of any one proposed project shall not exceed 50 percent of the total project costs.	Proposals must be received by February 6, 2011, 3:00 p.m. PST.  The total amount available for this funding cycle is \$700,000.	Sheri Looper (916) 978-5219
Nonpoint Source Control Program  Clean Water Act, Section 319	USEPA	Grants w/ 40% non-federal match	Implementation of State nonpoint source control programs to improve water quality	Public and private entities including nonprofits, local governments, tribes, special districts, and educational institutions	Usually does not apply	<b>Eligible Uses:</b> Restoration of impaired waters thru watershed-based plans and Total Maximum Daily Load implementation; Solving problems caused by nonpoint sources of pollution; Enhancing aquatic and riparian habitats; Partnership among multiple interests; Commitments to sustained water quality improvements		\$4.5 million available for FY 2011  Past awards range from \$20,000 to \$1,000,000	Funding available beginning Fall 2010  See <a href="http://www.grants.gov">www.grants.gov</a> for details	Wilson Yee (415) 972-3484  yee.wilson@epa.gov

**Webpage:** <http://www.epa.gov/region09/water/nonpoint/index.html>

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Agricultural Water Enhancement Program	USDA - Natural Resources Conservation Service	Financial assistance through partnership agreements	Provides financial and technical assistance to agricultural producers to implement agricultural water enhancement activities on agricultural land for the purposes of conserving surface and ground water and improving water quality.							
<b>Webpage:</b> <a href="http://www.ca.nrcs.usda.gov/programs/awep.html">http://www.ca.nrcs.usda.gov/programs/awep.html</a>										
Rural Energy for America Program	USDA – Rural Development	Grants and loan guarantees	To provide assistance for energy audits and renewable energy development							Phil Brown (530) 792-5811  Phil.brown@ca.usda.gov
<b>Webpage:</b> <a href="http://www.rurdev.usda.gov/BCP_ReapEaReda.html">http://www.rurdev.usda.gov/BCP_ReapEaReda.html</a>										
Conservation Innovation Grant Program	USDA – Natural Resources Conservation Service	Grant w/ 50% non-federal match	Stimulate the development and adoption of innovative conservation approaches and technologies in environmental enhancement and protection in conjunction with agricultural production.							
<b>Webpage:</b> <a href="http://www.ca.nrcs.usda.gov/programs/cig/">http://www.ca.nrcs.usda.gov/programs/cig/</a>										

## WATER PROGRAMS

Program	Department	Type	Purpose	Eligibility Requirements	CEQA/NEPA	Eligible Uses	Ineligible Uses	Funding Limits	Terms/Dates	Contact
Climate Showcase Communities Grant Program	USEPA	Grant w/ 50% non-federal match	To create replicate models of sustainable community action that generate cost-effective and persistent greenhouse gas reductions while improving the environmental, economic, public health, or social conditions in a community.	Local governments and federally recognized tribes and tribal consortiums	Usually does not apply	Energy performance in municipal operations <b>(including water and wastewater utilities)</b> , buildings, planning, solid waste and natural resource management, and use or supply of green power products, onsite renewables, and other clean energy supply options and innovative activities.		\$300,000 to \$500,000 awards are subject to the availability of funds and quality of applicants	Applications due Summer 2011;  Selection Fall 2011	Jane Kurtz (202) 343-9304  kurtz.jane@epa.gov
<b>Webpage:</b> <a href="http://www.epa.gov/statelocalclimate/local/showcase/">http://www.epa.gov/statelocalclimate/local/showcase/</a>										



# CALIFORNIA FINANCING COORDINATING COMMITTEE (CFCC)

## COMMON FUNDING INQUIRY FORM

**Instructions:** An electronic copy of this form can be obtained at: [www.cfcc.ca.gov](http://www.cfcc.ca.gov)

Please provide the information below and e-mail the completed form to: [dcummings@ibank.ca.gov](mailto:dcummings@ibank.ca.gov)

If completing a hard copy of this form, attach responses where applicable and fax to Karl Whittington at (916) 319-7607.

Name of Applicant or Official System Name:

County:

Check the box that best describes the applicant's organization:

Municipal entity

Private entity, for profit

Private entity, nonprofit

**Project OR problem description.** Describe the problem or the need for the project, the purpose of the project, the basic design features of the project and what the project will accomplish. (Attach documentation, if available)

**Estimated Project Schedule.** Provide a timeline that illustrates the estimated start and completion dates for each major phase or milestone of project development, construction and/or acquisition (including, for example, feasibility study, land acquisition, preliminary engineering, environmental review, final design and construction commencement and completion).

**Financing is needed for (check all that apply):**

Feasibility Study

Rate Study

Engineering/Architectural

Land Acquisition

Project Construction and Administration

Other, specify: \_\_\_\_\_

Estimated Total Project Costs \$

Estimated amount of funding requested \$

Multiple funding sources anticipated:  Yes

No

*For water/sewer projects only:*

System ID No.: \_\_\_\_\_

Service Area Population: \_\_\_\_\_

Number of Service Connections: \_\_\_\_\_

Estimated Median Household Income  
of service area: \$ \_\_\_\_\_

How did you hear about the California Financing Coordinating Committee?

All correspondence regarding this inquiry will be sent to the individual named below. You will receive a written acknowledgement of the receipt of this inquiry form and be contacted by staff of the appropriate CFCC member agencies to pursue additional assistance.

Printed Name of Inquirer

Title

Mailing Address (street)

City/State

Zip code

( )

( )

Phone Number

FAX Number

e-mail

*For CFCC Use Only:*

*Date of Referral to CFCC Member Agencies:*

*Date Responded to Applicant Inquiry:*



## COMMONLY USED ACRONYMS

**1940-1** – Documentation used to set aside funds for a project  
**306C** – Colonias Grant Program (for projects near the Mexican border)  
**306C** – Tribal Grant (for federally recognized tribes)  
**501(c)(3)** – Nonprofit entity meeting certain Internal Revenue Service tax requirements

**AB** – Assembly Bill  
**AB 32** – California Assembly Bill 32 that is major piece of climate change legislation  
**AF** – Acre Feet  
**ARRA** – American Recovery and Reinvestment Act of 2009  
**AWT** – Advanced Water Treatment

**CALFED** – CALFED Bay-Delta Program; 25 state and federal agencies comprise CALFED  
**CalWep** – California Water and Energy Program  
**CARE** – Community Action for a Renewed Environment (USEPA)  
**Cat Ex** – Categorical Exclusion  
**CDBG** – Community Development Block Grant  
**CDPH** – California Department of Public Health  
**CEQA** – California Environmental Quality Act  
**CF** – Community Facilities  
**CFCC** – California Financing Coordinating Committee  
**CIEDB** – California Infrastructure and Economic Development Bank (I-Bank)  
**CVP** – Central Valley Project  
**CWSRF** – Clean Water State Revolving Fund (State Water Board)

**DAC** – Disadvantaged Community  
**DBE** – Disadvantaged Business Enterprises  
**DFA** – Division of Financial Assistance  
**DRIP** – Desalination Research Innovation Partnership  
**DSCR** – Debt Service Coverage Ratio  
**DWR** – Department of Water Resources

**EA** – Environmental Assessment  
**ED** – Economic Development  
**EEF** – Economic Enterprise Fund (CDBG)  
**EF** – Enterprise Fund  
**EIS/EIR** – Environmental Impact Statement/Environmental Impact Report  
**EPA** – Environmental Protection Agency  
**ER** – Environmental Report  
**ERU** – Environmental Review Unit

**FAAST** – Financial Assistance Application Submittal Tool (State Water Board)  
**FOA** – Funding Opportunity Announcement  
**FY** – Fiscal Year

**GHG** – Greenhouse Gas Emissions  
**G/NA** – General Program/Native American Allocation (CDBG)  
**GO** – General Obligation (Bonds)

## **COMMONLY USED ACRONYMS (cont.)**

**HCD** – State of California, Department of Housing and Community Development

**HUD** – United States Department of Housing and Urban Development

**I-Bank** – California Infrastructure and Economic Development Bank

**IDB** – Industrial Development Bond

**IRWM** – Integrated Regional Water Management

**ISRF** – Infrastructure State Revolving Fund (I-Bank)

**IUP** – Intended Use Plan

**kWh** – Kilowatt Hours

**LGA** – Local Groundwater Assistance

**LOC** – Letter of Commitment

**LTIG** – Low Target Income Group (50% of the County's median income)

**MADS** – Maximum Annual Debt Service

**MCL** – Maximum Contaminant Level

**MHI** – Median Household Income

**NEPA** – National Environmental Policy Act

**NOAA** – Notice of Acceptance of Application (funding offer)

**NOFA** – Notice of Funding Availability

**NPDES** – National Pollutant Discharge Elimination System

**NPS** – Nonpoint Source

**NRCS** – Natural Resources Conservation Service

**O&M** – Operations and Maintenance

**OM&R** – Operations, Maintenance, and Replacement

**OTC** – Over-the-Counter (CDBG Economic Development Grant)

**OWR** – Office of Water Recycling

**OWUE** – Office of Water Use Efficiency (DWR)

**PCA** – Potential Contaminating Area

**PER** – Preliminary Engineering Report

**PI** – Program Income

**PL** – Public Law

**PPL** – Preliminary Project List

**PROP** – Proposition

**PSP** – Proposal Solicitation Package

**PTA** – Planning/Technical Assistance Grant (CDBG)

**PUC** – Public Utilities Commission

**RBS** – Rural Business Service (USDA)

**RD** – Rural Development (USDA)

**R&D** – Research and Development

**RHS** – Rural Housing Service (USDA)

**RO** – Reverse Osmosis

**RRA** – Reclamation Reform Act of 1982 (USBR)

**RUS** – Rural Utilities Service (USDA)

**COMMONLY USED ACRONYMS (cont.)**

**SB** – Senate Bill

**SCADA** – Supervisory Control and Data Acquisition

**SDAC** – Small and/or Disadvantaged Community (State Water Board)

**SDWSRF** – Safe Drinking Water State Revolving Fund (CDPH)

**SF** – Standard Form (USDA)

**SI** – Sustainable Infrastructure

**SOR** – System Optimization Review

**SWP** – State Water Project

**SWPP** – Source Water Protection Program

**State Water Board** – State Water Resources Control Board

**TCR** – Target Consumer Rate

**TIG** – Target Income Group (80% of County median income)

**TMF** – Technical, Managerial, and Financial Capacity

**UCC** – Uniform Commercial Code

**USBR** – United States Bureau of Reclamation

**USDA** – United States Department of Agriculture

**USEPA** – United States Environmental Protection Agency

**WCFSP** – Water Conservation Field Services Program

**WDR** – Waste Discharge Requirements

**WEP** – Water and Environmental Programs

**WRFP** – Water Recycling Funding Program

**WUE** – Water Use Efficiency

**WWD** – Water and Waste Disposal Loan and Grant Program

**W/WW** – Water and Wastewater

