



Drought Funding Options

WaterReuse

July 17, 2014

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Department of Water Resources, Financial Assistance Branch



Drought Legislation Senate Bills 103 and 104

- ▶ Appropriated \$687.4 million
 - ▶ \$581.5 million to DWR
 - ▶ \$472.5 million in Proposition 84 IRWM funds, includes
 - ▶ \$200 Million to be expedited for drought projects
 - ▶ \$272.5 Million for IRWM projects
 - ▶ Up to \$21.8 Million to “backfill” 2014 Implementation Grant awards
 - ▶ Appropriated all remaining Proposition 84 IRWM funds
 - ▶ \$77 million in Proposition 1E funds for multi-purpose flood projects
 - ▶ \$30 million in Greenhouse Gas Reduction Funds, includes
 - ▶ \$20 million for Water-Energy Grant Program
 - ▶ \$1 million for Save Our Water campaign
 - ▶ \$1 million for California Statewide Groundwater Elevation Monitoring



2014 IRWM Drought Solicitation

<http://www.water.ca.gov/irwm/grants/index.cfm>



Status of 2014 IRWM Drought Solicitation

- ▶ June 2, 2014 – Final Guidelines and PSP released
- ▶ June 18 and 20, 2014 – Applicant Workshops
- ▶ **July 21, 2014 – Applications due**
- ▶ September 2014 – Draft funding recommendations
- ▶ October 2014 – Final awards



PSP

Cost Reimbursement

- ▶ Costs Reimbursement
 - ▶ As of Governor's drought declaration – January 17, 2014
- ▶ Funding Match
 - ▶ Past costs back to January 1, 2010



PSP

Project Types

- ▶ In addition to being one of the 11 IRWM project elements, projects must also be one of the SB 104 drought project types:
 - ▶ Immediate drought preparedness
 - ▶ Water supply reliability and delivery of safe drinking water
 - ▶ Locally not cost effective water conservation programs and measures
 - ▶ Water quality or ecosystem conflict created by the drought



Drought Impacts

- ▶ Discuss the drought issues/impacts
 - ▶ 2014 Drought
 - ▶ Possible 2015 Drought/Dry Year
- ▶ Discuss how the proposed projects help

Proposition 84 IRWM Remaining Balances

Funding Area	Allocation Schedule	Remaining Balances	Max Award	Min Award	Remaining for 2015
North Coast	\$37,000,000	\$19,747,939	\$14,810,954	\$0	\$4,936,985
San Francisco	\$138,000,000	\$73,483,858	\$55,112,894	\$0	\$18,370,965
Central Coast	\$52,000,000	\$19,748,065	\$14,811,049	\$0	\$4,937,016
LA-Ventura	\$215,000,000	\$96,340,789	\$72,255,592	\$0	\$24,085,197
Santa Ana	\$114,000,000	\$74,482,996	\$55,862,247	\$0	\$18,620,749
San Diego	\$91,000,000	\$56,512,951	\$42,384,713	\$0	\$14,128,238
Sacramento	\$73,000,000	\$40,518,410	\$30,388,808	\$0	\$10,129,603
San Joaquin	\$57,000,000	\$26,696,455	\$20,022,341	\$0	\$6,674,114
Tulare/Kern	\$60,000,000	\$16,217,196	\$12,162,897	\$0	\$4,054,299
Lahontan	\$27,000,000	\$10,705,051	\$8,028,788	\$0	\$2,676,263
Colorado River	\$36,000,000	\$16,700,000	\$12,525,000	\$0	\$4,175,000
Total	\$900,000,000	\$451,153,710	\$200,000,000		\$251,153,710



Water-Energy Grant Program

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



Program Requirements



- ▶ Eligible grant recipients
 - ▶ Local agencies
 - ▶ Joint powers authorities
 - ▶ Non-profit organizations
- ▶ Eligible Project
 - ▶ Residential, commercial, or institutional water efficiency programs or projects
- ▶ Projects must do all of the following
 - ▶ Reduce greenhouse gas emissions
 - ▶ Reduce water use
 - ▶ Reduce energy use



Schedule

- ▶ June 18, 2014 – Released draft Guidelines & PSP
- ▶ Conduct 3 Public Meetings
 - ▶ August 19 – Chino
 - ▶ August 21 – Fresno
 - ▶ August 25 – Sacramento
- ▶ **September 5, 2014 – Public Comments due**
- ▶ October 2014 – Post final Guidelines & PSP
- ▶ December 2014 – Applications due
- ▶ March 2015 – Draft Awards
- ▶ April/May 2015 – Announce Final Awards

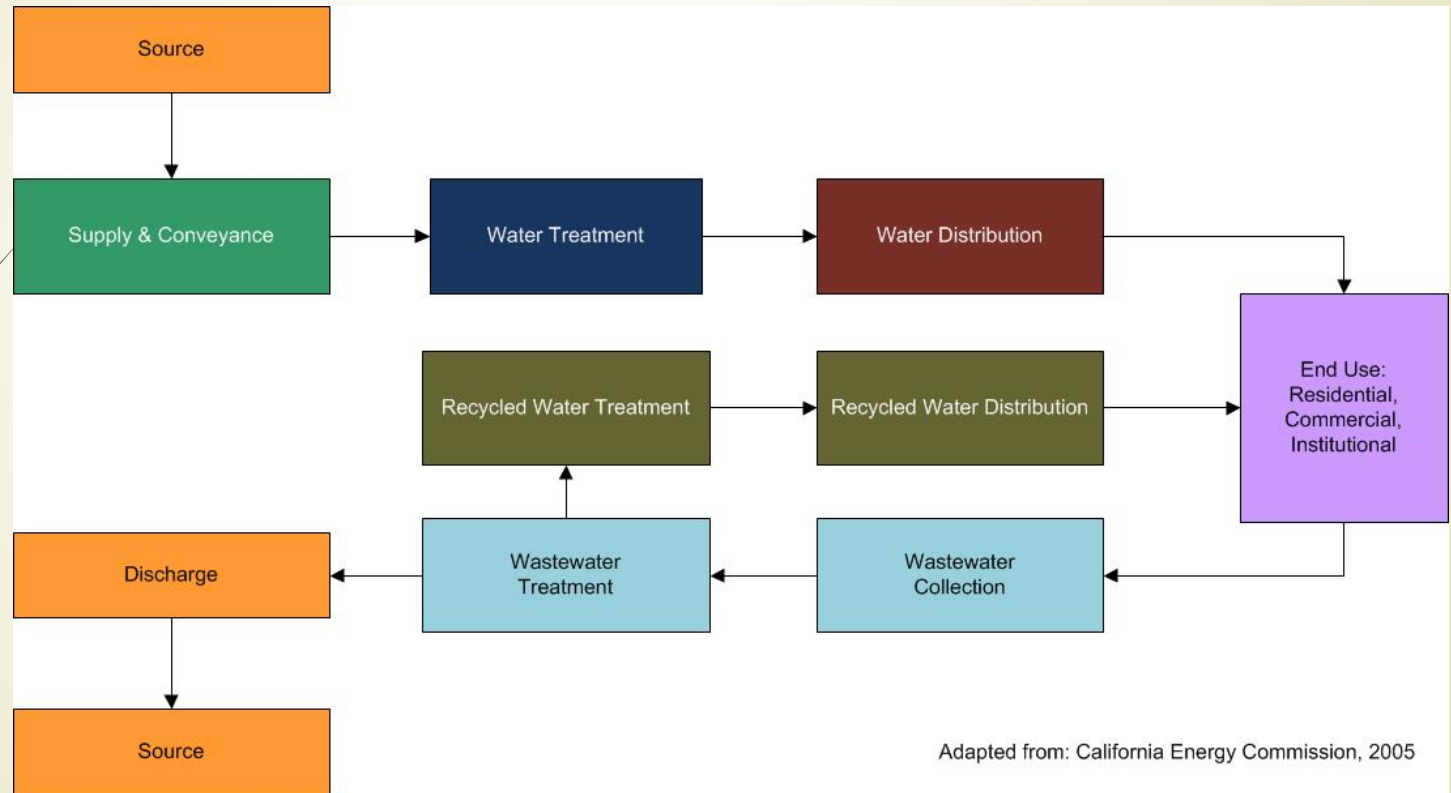


Eligibility Requirements



- ▶ Urban Water Management
 - ▶ UWMP
 - ▶ Demand Management Measures (AB 1420)
 - ▶ Water Metering (Water Code § 525 *et seq.*)
- ▶ Groundwater Management
 - ▶ Groundwater Management Plan
 - ▶ CASGEM
- ▶ Surface Water Diversion Reporting
- ▶ Agricultural Water Management
 - ▶ AWMP


Water Use Cycle



Modified CEC diagram – End Use categories limited to those authorized by SB 103



Estimating Water & Energy Savings and GHG Reduction

- Estimate annual water savings
 - Estimate (project) lifetime water savings
 - Estimate annual energy savings
 - Estimate lifetime energy savings
 - Estimate annual GHG emissions reductions
 - Estimate lifetime GHG emissions reductions
- 

Attachment 2

Estimate of Water Savings, Energy Savings, and GHG Emissions Reduction

Project Name:
Total Project Cost:

Project Assumptions		
Step 1: Determine the baseline (pre-project) volume of water associated with the project, in millions of gallons (MG) per year. Provide the basis of the estimate in a separate attachment.		MG/year
Step 2: Estimate the volume of water that will be delivered after the project is implemented, in MG per year. Provide the basis of the estimate in a separate attachment.		MG/year
Step 3: Estimate the volume of hot water saved, in MG per year, from the project's electric water heating system. If not applicable enter "0". Provide the basis of the estimate in a separate attachment.		MG/year
Step 4: Estimate the volume of hot water saved, in MG per year, from the project's natural gas water heating system. If not applicable enter "0". Provide the basis of the estimate in a separate attachment.		MG/year
Step 5: Estimate the useful life in years for the project. Provide the basis of the estimate in a separate attachment.		years
Step 6: Find the percentage of water that is imported		
Step 7: Find the Energy Intensity of the System associated with the project's water savings.		kWh/MG
Step 8: Find the emission factor in kg CO ₂ e/KWh specific to your power supplier or use the default (0.424 kgCO ₂ e/kWh for CAMX sub-region).		kg CO ₂ e/kWh
Step 9: Find EI associated with the Supply and Conveyance segment of the imported water.		kWh/MG
Step 10: Input additional annual energy savings from EERE (energy efficiency and renewable energy) in kWh/year		kWh/year
Water Savings		
1) Annual volume of water savings within system	0	MG/year
2) Annual imported volume of water savings	0	MG/year
3) Annual hot water heating system savings (cannot exceed annual volume of water savings)	0	MG/year
4) Lifetime volume of water savings within system	0	MG
5) Lifetime volume of imported water savings	0	MG
Energy Savings		
1) Annual energy savings within system	0	kWh/year
2) Annual energy savings from imported water	0	kWh/year
3) Annual energy savings from electric hot water heating system	0	kWh/year
4) Annual energy savings from natural gas hot water heating system	0	kWh/year
5) Total annual energy savings from electric and natural gas hot water heating systems	0	kWh/year
6) Annual energy savings from natural gas hot water heating system (in therms)	0	therms/year
7) Lifetime energy savings within system	0	kWh
8) Lifetime energy savings from imported water	0	kWh
9) Lifetime energy savings from electric hot water heating system	0	kWh
10) Lifetime energy savings from natural gas hot water heating system	0	kWh
11) Total lifetime energy savings from electric and natural gas hot water heating systems	0	kWh
12) Lifetime energy savings from natural gas water water heating system (in therms)	0	therms
13) Additional lifetime energy savings from Energy Efficiency and Renewable Energy	0	kWh



Program Preference

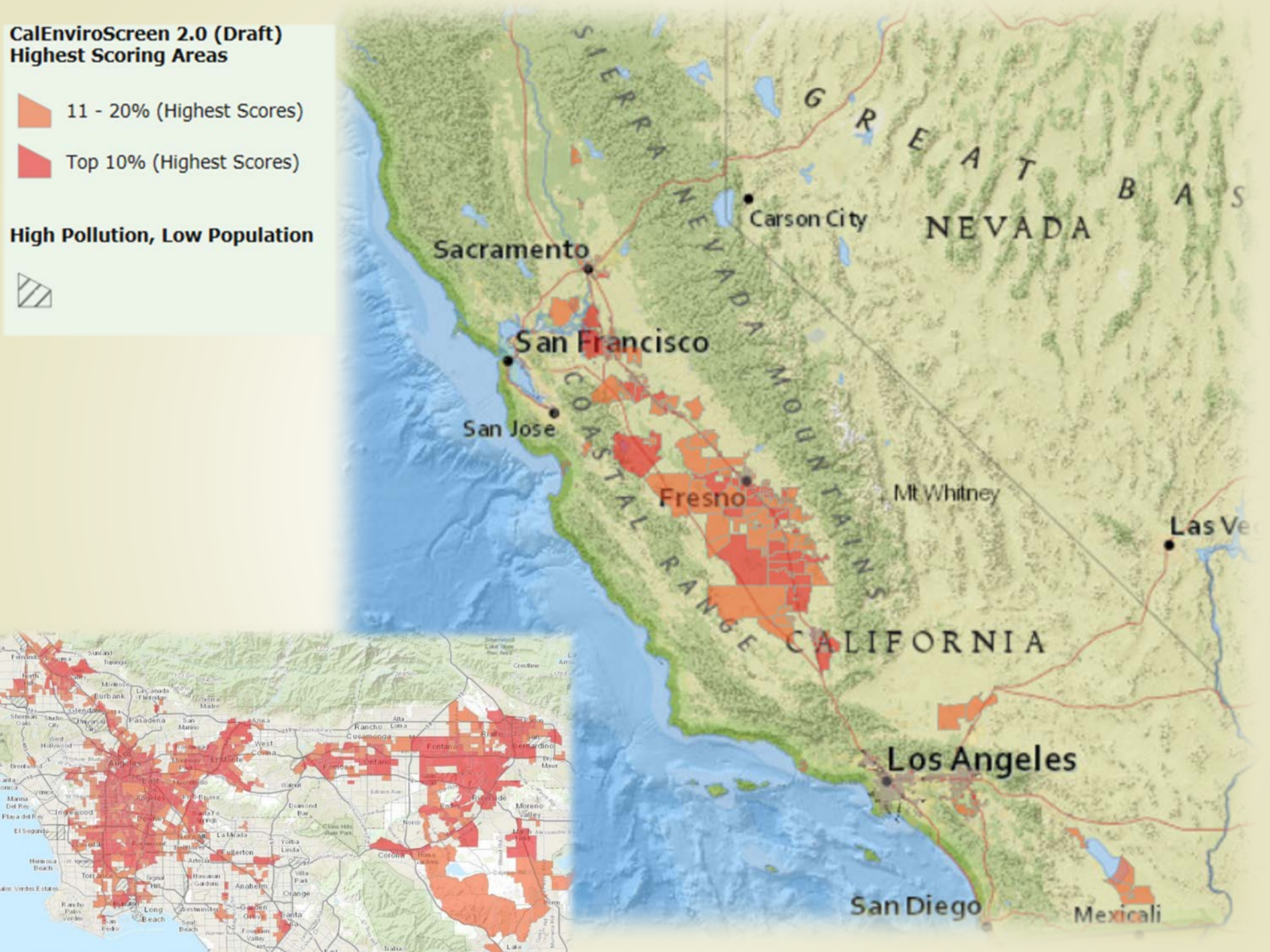


- ▶ Disadvantaged Communities (DAC)
 - ▶ Health and Safety Code § 39711
 - ▶ Based on geographic, socioeconomic, public health, and environmental hazard criteria
 - ▶ CalEnviroScreen 2.0 Top 20%
 - ▶ Currently draft tool
 - ▶ Developed by OEHHA for CalEPA
 - ▶ CalEPA to establish final DAC standard in coming months

CalEnviroScreen 2.0 (Draft)
Highest Scoring Areas

- 11 - 20% (Highest Scores)
- Top 10% (Highest Scores)

High Pollution, Low Population



Funding Priority Scheme

Table 3. Funding Priority

Priority	DAC	Water	Energy	Agreement Components
1	Yes	High	High	Sufficient
2	Yes	High	Medium	Sufficient
3	Yes	Medium	High	Sufficient
4	No	High	High	Sufficient
5	Yes	Medium	Medium	Sufficient
6	No	High	Medium	Sufficient
7	No	Medium	High	Sufficient

Award funds to Priority 1, if leftover funds, go to Priority 2...



Proposition 13 Agriculture Water Conservation Loan



Program Overview



- Approximately \$32 million approved in FY14-15 Budget
- Maximum loan amount = \$5 million
- Repayment terms – 20 years @ $\frac{1}{2}$ the current bond interest rate
 - Current rate = 2.1%
- Local agencies eligible borrowers



Program Overview



- ▶ Acquisition and construction of agricultural water conservation projects
- ▶ Must provide a net saving of water
- ▶ Must be cost-effective.
 - ▶ Preference for the most cost-effective projects
- ▶ Program schedule and materials being developed
- ▶ For additional information, contact:
 - ▶ Fethi BenJemaa (916) 651-7025
fethi.jemaa@water.ca.gov



2014 CFCC Funding Fairs

Please join the California Financing Coordinating Committee (CFCC) for this **no-cost** event.

2014 SCHEDULE

May 28, 2014

*Cal/EPA Headquarters
Coastal Hearing Room
1001 "I" Street
Sacramento, CA 95814*

August 20, 2014

*Shasta/Redding Library
110 Parkview Ave
Redding, CA 96001*

September 9, 2014

*Fresno State University
North Gym, Room 118
5241 North Maple Ave
Fresno, CA 93740*

September 11, 2014

*San Luis Obispo City County Library
995 Palm Street
San Luis Obispo, CA 93401*

September 23, 2014

*Kern County Health Department
1800 Mt Vernon Ave
Bakersfield, CA 93306*

September 25, 2014

*Eastern Municipal Water District
2270 Trumble Road
Perris, CA 92572*

October 9, 2014

*Cal/EPA Headquarters
Coastal Hearing Room
1001 "I" Street
Sacramento, CA 95814
The Sacramento workshop will be
webcast. Access to the webcast will be
available online at: [http://
www.calepa.ca.gov/broadcast](http://www.calepa.ca.gov/broadcast).*

CFCC agencies fund the following types of eligible infrastructure projects including:

- Drinking water
- Wastewater
- Water quality
- Water supply
- Water conservation
- Solid waste
- Energy efficiency
- Flood management
- Streets and highways
- Emergency response vehicles
- Water use efficiency
- Community facilities



AGENDA

At each location, the Funding Fair Agenda is as follows:

Check in: 8 a.m.-8:30 a.m.

Agency Presentations: 8:30 a.m.-Noon

Discuss your projects: Noon-3 p.m.

ATTENDEE REGISTRATION

Go to www.cfcc.ca.gov and click on **Funding Fairs**

Funding Fair Questions?

Please call (916) 447-9832 x 1029