

State Water Resources Control Board

Stormwater and Groundwater Quality Funding Program Overview

Proposition 1 Public Workshops

March 2015

Proposition 1

Stormwater Grant Program

- Allocates \$200 million for grants for multi-benefit (water quality/supply, flood control, open space) stormwater management projects
- “Eligible projects may include, but shall not be limited to, green infrastructure, rainwater and stormwater capture projects, and stormwater treatment facilities.” (\$180 million)

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Stormwater Grant Program

- “Development of plans for stormwater projects shall address the entire watershed and incorporate the perspectives of communities adjacent to the affected waterways, especially disadvantaged communities.” (\$20 million)
- Decision support tools that evaluate the benefits and costs of multi-benefit stormwater projects

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Stormwater Grant Program

- 10 percent of fund in disadvantaged communities (DACs)
- Non-state cost share of 50 percent (can be waived or reduced for DACs)

Stormwater Resource Plan

Senate Bill 985

- Signed into law September 2014
- Requires Stormwater Resource Plan that complies with law for any stormwater projects that are funded by a bond act approved by voters after Jan 1, 2014 (including Prop. 1)
- SWRCB required to develop guidance for Stormwater Resource Plan by July 1, 2016

Stormwater Resource Plan

Senate Bill 985

- Plan requirements include...
 - Must be developed on a watershed basis
 - Identify and prioritize stormwater and dry weather runoff capture projects
 - Provide multiple benefit design – water supply, water quality, environmental, and other community benefits

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Stormwater Grant Funding

Next Steps

- Develop project solicitation and evaluation guidelines
 - Guidelines will be developed in FY 15/16
 - Coordinated w/stormwater resource plan (SB985 guidelines)
 - At least 3 public meetings must be held on draft guidelines

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Stormwater Grant Program

Next Steps

- Eligibility and Program Requirements (look to Prop. 84 guidelines as framework)
 - Eligible applicants - public agencies, non-profit organizations, public utilities, tribes, and mutual water companies
 - Must establish metrics of success
 - Examples of projects funded under Prop 84:
 - Bioretention basins, rain gardens, vegetated swales, permeable pavement, rain barrels, tree box filters, constructed wetlands, & green roofs.

Vegetated Swales

DEFINITION: Vegetated swales are shallow landscaped areas designed to capture, convey, and potentially infiltrate stormwater runoff as it moves downstream.



Photo: Kevin Robert Perry

Stormwater Planters



DEFINITION: Infiltration and flow-through planters are contained landscape areas designed to capture and retain stormwater runoff.

Photo: Kevin Robert Perry

Rain Gardens

DEFINITION: Rain gardens are shallow landscape areas that can collect, slow, filter and absorb large volumes of water, delaying discharge into the watershed system.



Photo: Kevin Robert Perry

Pervious Paving

DEFINITION: Pervious paving allows rainwater to either pass through the paving system itself or through joint openings between the pavers.



Photo: Kevin Robert Perry

Rainwater Harvesting

DEFINITION: The ability to capture and reuse rainfall in order to reduce reliance on potable water for landscaping needs and provide a recharge benefit to underlying groundwater aquifers.

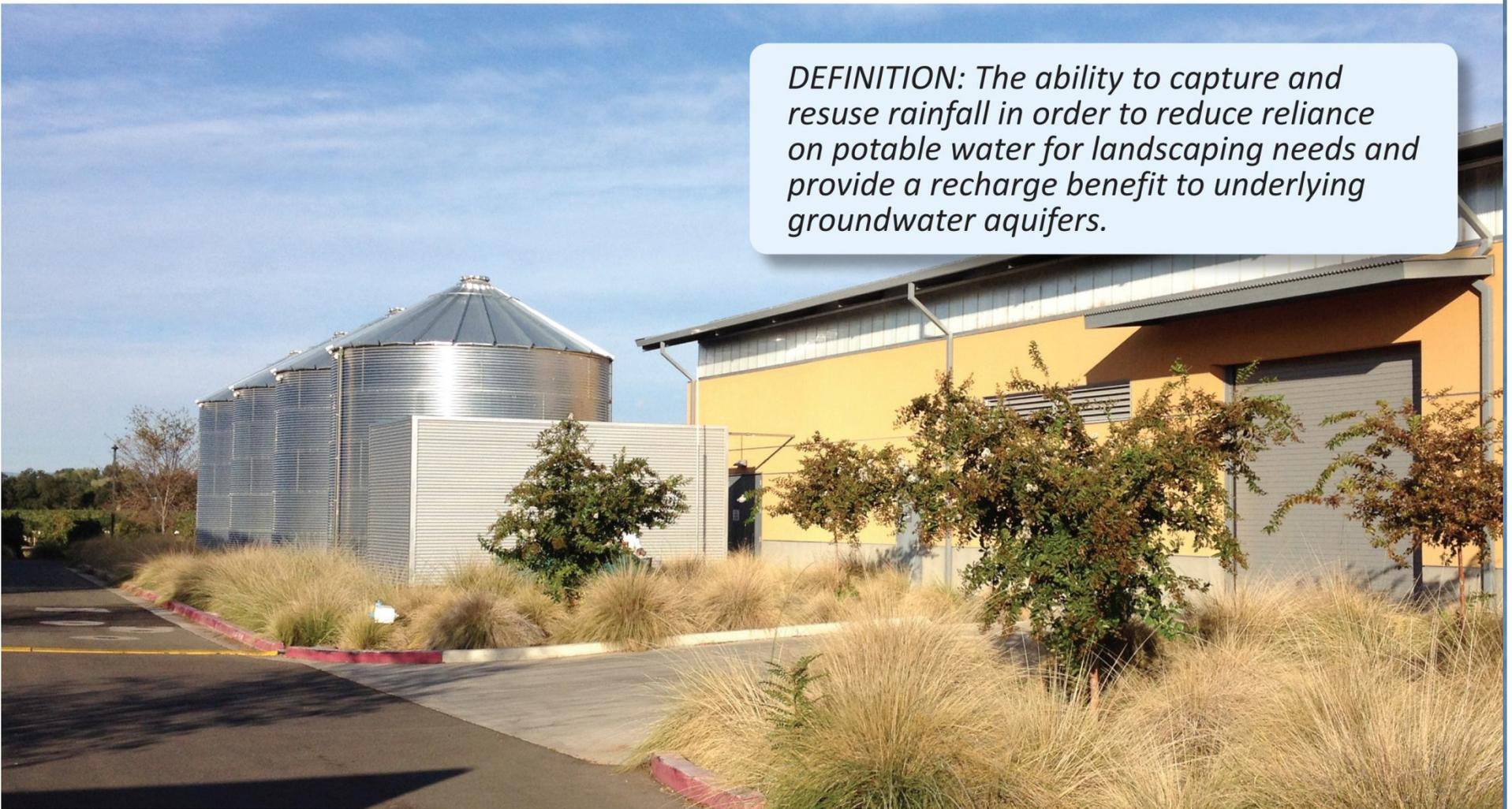


Photo: Kevin Robert Perry

Proposition 1

Stormwater Management Funding

- Preliminary schedule
 - Draft Guidelines for Public Review – April 2016
 - Public Workshops – May 2016
 - Board Consideration – June 2016

GROUNDWATER FUNDING PROGRAMS

Grants

- Proposition 1 Groundwater Sustainability
- Senate Bill 445 Site Cleanup Subaccount Program

Loans

- Proposition 1 Groundwater Sustainability Grant/Loan split for Prop 1 not established



Proposition 1 Groundwater Sustainability Program (Assembly Bill 1471, Chapter 10) - \$900 Million

Eligible Applicants

- Public Agencies, Tribes, Public Utilities, Non-Profits, Mutual Water Companies

Eligible Projects

- “Prevent or Clean up Contamination of Groundwater that serves or has served as a source of Drinking Water”

Priorities based on:

- Threat posed by groundwater contamination to drinking water supply
- Potential for groundwater contamination to spread/impair
- Potential of project to enhance local water supply reliability
- Potential of project to recharge vulnerable, high-use basins
- Projects with no viable responsible party(ies)

Proposition 1 Groundwater Sustainability Program (Assembly Bill 1471, Chapter 10) - \$900 Million

Chapter 10	Groundwater Sustainability	\$900 Million
<p>\$800M</p> <p>\$ 80M</p> <p>\$100M</p>	<p>Prevent/Clean up contamination of groundwater that serves as drinking water</p> <p>Treatment and Remediation</p> <p>Develop and implement groundwater plans and projects</p> <p>** At least 10% to projects serving severely Disadvantaged Communities</p> <p>** At least 50% cost share that can be reduced/waived for disadvantaged communities or economically distressed areas</p>	<p>State Water Board</p> <p>Department of Water Resources</p>

Proposition 1 Groundwater Sustainability Program (Assembly Bill 1471, Chapter 10) - \$900 Million

Contaminants include, but are not limited to:

Nitrates, perchlorate, MTBE (methyl tertiary butyl ether), arsenic, selenium, hexavalent chromium, mercury, PCE (perchloroethylene), TCE (trichloroethylene), DCE (dichloroethene), DCA (dichloroethane), 1,2,3-TCP (trichloropropane), carbon tetrachloride, 1,4-dioxane, 1,4-dioxacyclohexane, nitrosodimethylamine, bromide, iron, manganese, and uranium

Both natural and human made contaminants

PROPOSITION 1 GROUNDWATER SUSTAINABILITY PROGRAM TIMELINE/PROCESS

Timeline (estimates)

- Draft Guidelines – April 2016
- Public Workshops – May 2016
- Board Consideration – July/August 2016
- Final Guidelines – August 2016
- First Round - Solicitation/Review– Fall/ Winter 2016/17
- First Round Grant Agreements– 2017



Proposed Application Process

- Pre-application questionnaire through on-line Financial Assistance Application Submittal Tool (FAAST):
<https://faast.waterboards.ca.gov>
- Technical assistance providers may be available for disadvantaged communities

Senate Bill 445 Site Cleanup Subaccount \$19.5 Million Anticipated FY 2015/2016

Funding

- Fee on fuel storage

Eligible Projects

- Identify source of surface or groundwater contamination
- Remediate harm or threat to human health, safety, and the environment from surface or groundwater contamination

Eligible Applicants: Applicants w/eligible projects

5 Considerations:

- Significant Threat to Human Health or the Environment
- Disadvantaged or Small Community Impact
- Cost and Environmental Benefit of Investigation/Cleanup
- Availability of Alternate Funding Source(s)
- Other Board Considerations



Senate Bill 445 Site Cleanup Subaccount

Requirements:

- Regulatory agency has issued a directive – unless infeasible prior to grant issuance
- Responsible Party lacks sufficient financial resources to implement required response

Process Development – 2015/16

- Develop application process
- Public workshops
- Solicitation/Review applications
- Board adopts annual project list
- Issue grant agreements

Coordinated with Proposition 1 Groundwater Sustainability



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SB445 Site Cleanup Subaccount

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http://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1.shtml

Get email notifications:

http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml

Under Division of Financial Assistance: Groundwater Funding Assistance

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