



Water Board Groundwater Quality Funding Programs

PROPOSITION 1 GROUNDWATER SUSTAINABILITY PROGRAM ADOPTED FINAL DRAFT GUIDELINES

June 13, 2016 – Fountain Valley

June 15, 2016 – Redlands

June 17, 2016 – Los Angeles

June 21, 2016 – Fresno

June 22, 2016 – San Luis Obispo

June 27, 2016 – Sacramento

Agenda



- ◆ Introductions / Agenda Review
- ◆ Groundwater Grant Program and Funding Guidelines
- ◆ Application Process, Attachments, and Scoring
- ◆ Next Steps
- ◆ Questions

Public Outreach



- June and November 2015 – Public Scoping Meetings
- August 2015 – Pre-Application available for applicants
- February 2016 – Draft Guidelines
- March 2016 – Public Workshops
- May 18, 2016 – Final Guidelines Adopted
- June 2016 – Public Workshops for Final Program Guidelines and Application Process

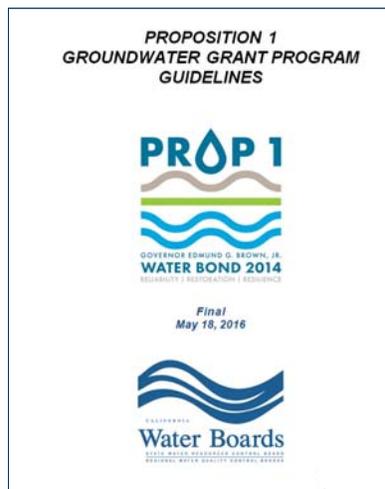
Groundwater Grant Program

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Guidelines: Proposition 1, Ch. 10



Water Board adopted on May 18, 2016



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Purpose & Overview



- ◆ Water Quality and Improvement Act of 2014 (commonly referred to as Proposition 1, or Prop 1) (Assembly Bill [AB] 1471, Chapter 10)
- ◆ Allocates \$800 million for prevention and cleanup of contaminated groundwater that serves or has served as a source of drinking water
- ◆ Grants will be administered through the Financial Assistance Application Submittal Tool (FAAST)

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Prop 1 – Assembly Bill 1471 (AB) Chapter 10



Eligible projects (planning and implementation) will prevent and clean up contamination of groundwater that serves (or has served) as a source of drinking water.

Approximately \$744 million is available to fund projects through the Groundwater Grant Program (after administrative and bond costs).

At least \$80 million for treatment / remediation activities that prevent or reduce contamination of groundwater that serves as a source of drinking water.

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Prop 1 – Assembly Bill 1471 (AB) Chapter 10



Set-aside of additional \$80 million for projects serving disadvantaged communities (DACs) and economically distressed areas (EDAs), for total of \$160 million.

- a. \$80 million set aside for severely disadvantaged communities (SDACs).
- b. \$10 million set aside for Technical Assistance.

Application Process – Project Types



Project Type Table

Planning/ Monitoring	Planning and monitoring projects include, but are not limited to, site assessment; site characterization; modeling; remedial investigation (RI); feasibility study (FS); monitoring and reporting plan; responsible party search; and preliminary engineering design.
Implementation	Projects that will address groundwater cleanup or prevent the contamination of groundwater that serves or has served as a source of drinking water and will substantially reduce the contaminants in the drinking water aquifer. Examples of implementation projects are design, construction, pilot studies, and initial startup of facilities.
Drinking Water Treatment	Projects that treat groundwater for direct potable use, with no cleanup or remediation of the aquifer, are considered “drinking water treatment projects” (i.e., regional contamination that is not conducive to aquifer cleanup due to the extent of the contamination, ongoing discharge, or naturally elevated levels of the contaminant).

Program Priorities, Requirements, Preferences



Priorities established in Proposition 1

Eligibility requirements established by the State Board for implementation projects

Project preferences established by the State Board for implementation projects

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Priorities Established in Prop 1



Priority and special consideration will be given to projects that:

- Leverage funding sources
- Include new and innovative technology
- Incorporate Prop 1, Ch. 10 Prioritization Criteria

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Priorities Established in Prop 1



Prop 1, Ch. 10
Prioritization
Criteria:

- The threat posed by groundwater contamination to the drinking water supply.
- Potential for groundwater contamination to spread.
- Enhance local water supply.
- Maximize opportunity to recharge vulnerable basin.
- Project where Responsible Parties (RPs) have not been identified or are unable to pay.

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Eligibility Requirements Established by State Board



1) To be consistent with California Water Action Plan, the project must achieve at least one or more of the following objectives:

Prevent the spread of contamination.

Accelerate the cleanup of contamination.

Protect aquifers that serve as a source of drinking water.

Provide clean drinking water to DACs or EDAs.

2) Be identified as high priority by regulatory agencies.

3) Applicants must demonstrate that funds are available for match requirements and long term operation & maintenance (O&M).

4) Have a useful life of at least 20 years.

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Project Preferences Established by State Board



Preference will be given to those **implementation** projects that meet one or more Prop 1 prioritization criteria and also:

- Human Right to Water
- Community Benefit
- Contaminant Removal Efficiency
- Timeliness

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Project Preferences Established by State Board (cont.)



Preference will be given to those **implementation** projects that meet one or more Prop 1 prioritization criteria and also:

- Promote Groundwater Sustainability
- Demonstrated Applicant Experience
- Regional Project
- Multiple Benefits

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Metrics of Success



Applicants must provide estimates for one or more of the following metrics:

- Annual volume of clean drinking water provided or volume of water that is prevented from becoming contaminated;
- Number of people benefited by the project;
- Benefits to EDAs or DACs;
- Average annual mass of contaminate removed or prevented from contaminating a drinking water source;
- The number of municipal wells brought back into service and the volume of water that would be treated and available for drinking water purposes; and
- Percentage of contaminant concentration reduction over the useful life of the project.

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Eligible Grant Applicants



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Eligible Project Types – Planning and Monitoring



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Eligible Project Types – Implementation



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Availability of Funds



- The Budget Act of 2015 (Assembly Bill 93) appropriates Prop 1 funds.

Expenditure



Liquidation



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Minimum & Maximum Grant Amounts



- No maximum for implementation projects
- Maximum set for drinking water treatment projects

	Planning	Implementation	Implementation (Drinking Water Treatment Only Benefiting a DAC/EDA)
Min	\$100,000	\$500,000	N/A
Max	\$1,000,000	N/A	\$5,000,000

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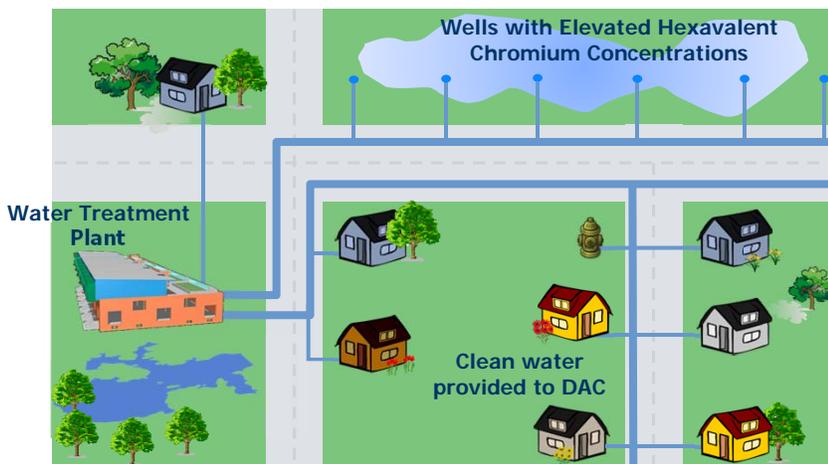
Match Requirements



	Community Size	Applicant	Project Benefit Area within DAC	Match Amount
Group A	Small	SDAC	100%	5%
Group B	Any	DAC/EDA	100%	10%
Group C	Any	Not a DAC	Some Project components	20%

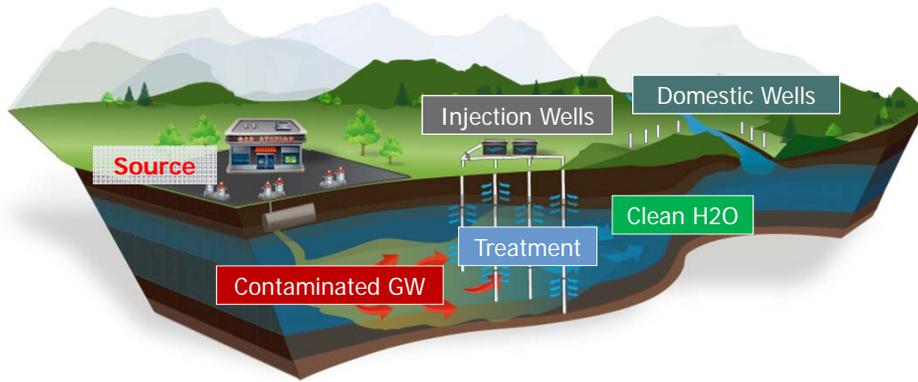
Non-DAC/EDA Projects require a 50% match

Drinking Water Treatment Project Example



Graphic Source: <http://www.gallatinutilities.com/water.html>

Contaminant Plume Cleanup Project Example

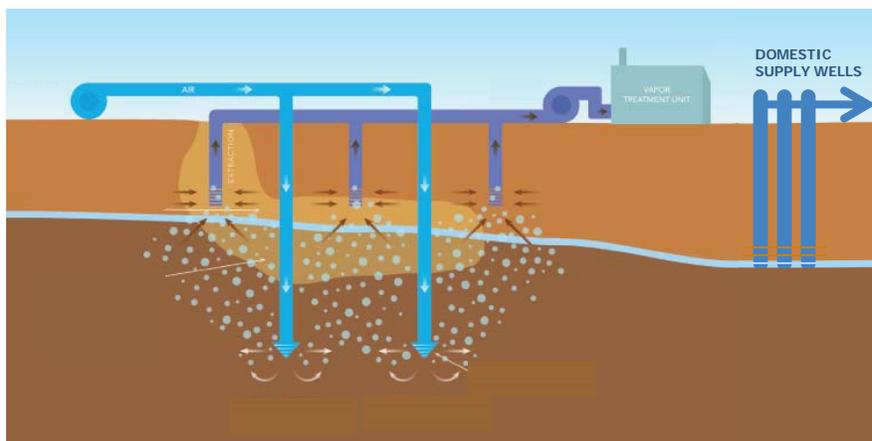


Graphic Source: <http://envirosouth.com/services/soil-groundwater-remediation/>

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Source Area Cleanup Project Example



Graphic Source: <http://www.enviroforensics.com/commingled-plumes-whos-responsible-cleanup/>

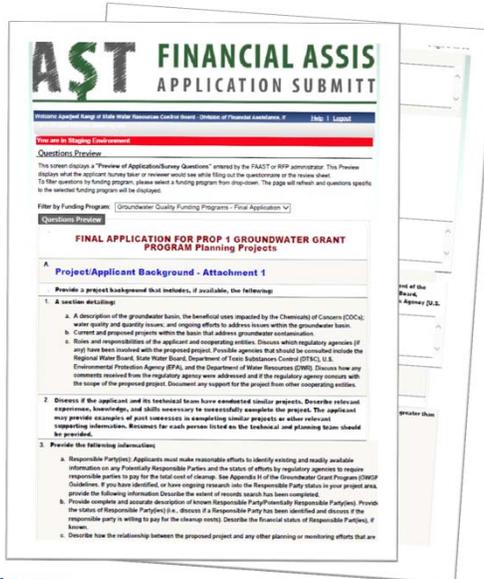
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Questions

Application Process



Tips for Completing Application



Do NOT make assumptions

Do NOT provide links

Organization is KEY

Use templates and attachments

Be consistent throughout the application

Do NOT reference other applications

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Application Process – How to Apply



Funding
Interest:
GWQF Website



Check Project
Type

http://www.waterboards.ca.gov/water_issues/programs/grants_loans/gw_funding/

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

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Application Process – Project Types



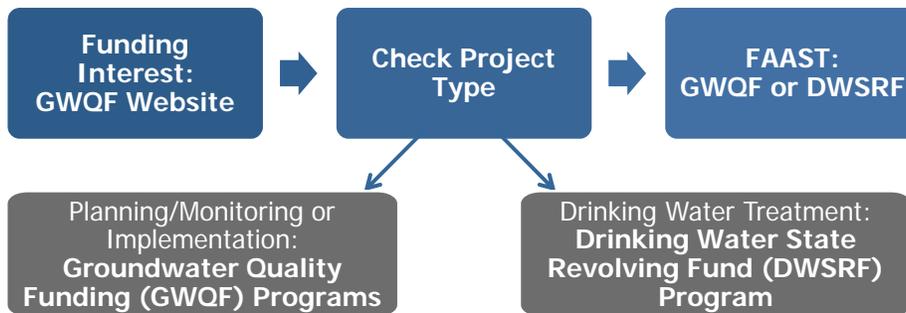
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Application Process – How to Apply



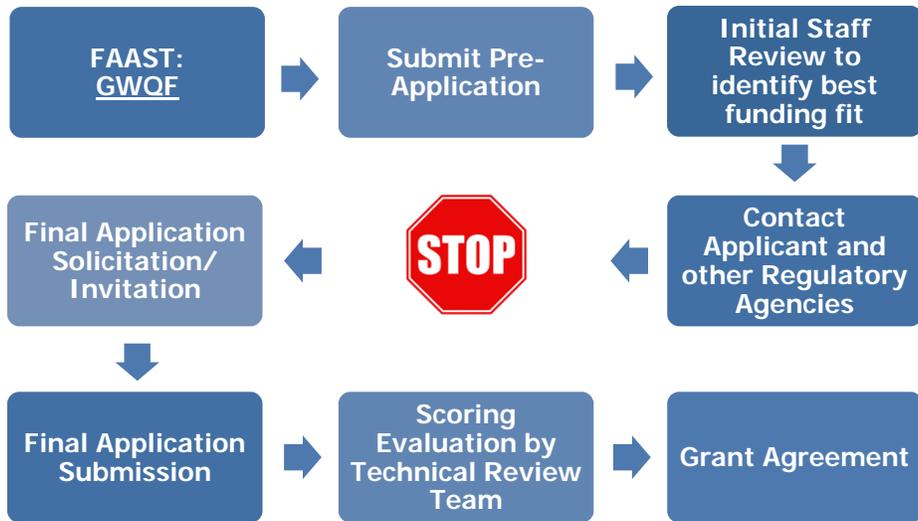
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/gw_funding/

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

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Application Process – How to Apply



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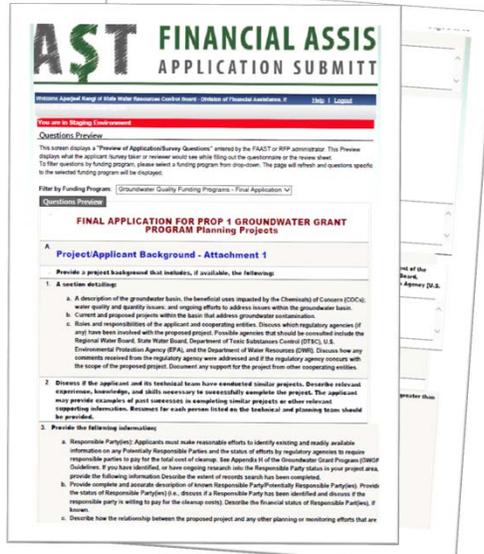


Questions

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Final Application: FFAST



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- Two applications
 - Planning/Monitoring
 - Implementation
- Attachments and instructions will be available on the Prop 1 website
- The Application will be discussed on following slides

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Planning Proposal Evaluation Criteria



Criteria	Planning
Project/Applicant Background	40 Points
Project Priorities, Requirements, and Preferences	25 Points
Scope of Work	40 Points
Schedule	15 Points
Budget	15 Points
DAC/EDA	15 Points

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Planning Final Application



Project/Applicant Background

- A summary of existing information, technical description and discussion that demonstrates that a critical information gap will be addressed by the planning project.
 - Groundwater Basin and Beneficial Uses
 - Current and Proposed Projects
 - Roles and Responsibilities
 - Experience and knowledge
 - Responsible Party(ies)
 - Relationship with other Projects

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Application Questions/Scoring – Planning



Project/Applicant Background (40 Points Total)	Scoring Question #	Max. Points Possible
Beneficial use(s), project description, roles and responsibilities	1	15
Demonstrated ability	2	5
Responsible Party(ies) search, relationship to existing efforts, summary of existing information	3	20

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Planning Final Application - Priorities, Requirements, Preferences



Program Priorities, Requirements, and Preferences

- Consistent with Proposition 1 prioritization criteria and the State Water Board Requirements and Preferences.
- The Project addresses a significant groundwater contamination problem.
- Provide the lowest cost alternative.
- How project will lead to implementation

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Application Questions/Scoring – Planning



Program Priorities, Requirements, and Preferences (25 Points Total)	Scoring Question #	Max. Points Possible
How project will lead to implementation	4 a.	5
Consistent with one or more Proposition 1 prioritization criteria	4 b.	5
Consistent with State Board requirements and preferences, addresses significant groundwater contamination problem	4 c. and d.	10
New and innovative technologies	4 e.	5

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Planning Final Application



Scope of Work

- Detail work tasks to complete the project.
- Feasibility of the approach.
- Discussion of the alternatives.
 - The Scope of Work must also the following:
 1. Adequate Stakeholder Outreach
 2. Permitting and Environmental Review / Site Access
 3. Technical Information and Justification
 4. Data Management, Validity and Quality

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Application Questions/Scoring – Planning



Scope of Work (40 Points Total)	Scoring Question #	Max. Points Possible
Stakeholder involvement and public outreach	5 a.	5
Permits and landowner/access agreements	5 b.	5
Work tasks necessary to complete project	5 c.	5
Feasibility of design/approach	5 d.	5
Technical information collection, validation, storage and management	5 e. – g.	15
Discussion of alternatives and lowest cost alternative	5 h.	5

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Planning Final Application - Schedule



Schedule

- Demonstrate that the project can be completed within the appropriation timeframe.
- Gantt Chart
 - Task Names
 - Duration of Tasks
 - Anticipated Start/Finish Dates
- Schedule Narrative
 - Milestones, Project Schedule
 - Discuss schedule completion, applicable permits, activities for closeout

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Application Questions/Scoring – Planning



Schedule (15 Points Total)	Scoring Question #	Max. Points Possible
Project completion within timeframe for next phase of overall project	6	5
Schedule consistent with tasks in Scope of Work and budget	7	5
Can the project be completed within the appropriation timeframe	8	5

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Planning Final Application - Budget



Budget

- Ensure that the summary budget table and narrative justify the project costs and that the costs are reasonable.
- Provide a cost-benefit analysis justifying the proposed project relative to other feasible alternatives.
 - The Budget must also include the following:
 1. A description to support each budget category
 2. An explanation of how the costs were estimated
 3. Describe how the benefits are significant given the cost of the project.
 4. Provide an explanation of the sources of matching funds.

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Application Questions/Scoring – Planning



Budget (15 Points Total)	Scoring Question #	Max. Points Possible
Justifying project costs with budget table, and leveraging of other funding sources	9	5
Budget consistent with tasks in work plan and schedule	10	5
Does the proposal include leveraging of other funding sources	11	5

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Planning Final Application - DAC/EDA Benefits



DAC/EDA Benefits

- Provide sufficient documentation that the project is supported by representatives of the SDACs/DACs/EDAs.
- Identify and justify the project benefits to SDACs/DACs/EDAs.

Include information regarding:

- Income Data of the project area DACs or EDAs
- Methodology used for project area total population
- How project area land-use impacts the DAC or EDA

Application Questions/Scoring – Planning



DAC/EDA (15 Points Total)	Scoring Question #	Max. Points Possible
Project benefits and support documentation for SDACs/DACs/EDAs	12 and 13	15



Questions

Implementation Proposal Evaluation Criteria

Criteria	Implementation
Project/Applicant Background	55 Points
Project Priorities, Requirements, and Preferences	30 Points
Scope of Work	40 Points
Schedule	20 Points
Budget	25 Points
Performance Evaluation and Monitoring	15 Points
DAC/EDA	20 Points

Implementation Final Application



Project/Applicant Background

- Project coordination with cooperating entities (Regulatory Agencies, Cooperating entities, water master).
- Demonstrate TMF capacity necessary for successful long-term O&M.
 - Site Background / Site Description
 - Regional Maps, Groundwater Basin and Beneficial Uses
 - Source Area(s)
 - Summary of Data Available for COCs
 - Responsible Party(ies)
 - Experience and knowledge

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Application Questions/Scoring – Implementation



Project/Applicant Background (55 Points Total)	Scoring Question #	Max. Points Possible
Beneficial use(s), project description, roles and responsibilities	1	30
Responsible Party(ies) search, relationship to existing efforts, summary of existing information	2	10
Demonstrated ability	3	5
Cooperating entities	4	5
Operations & Maintenance (O&M)	5	5

Groundwater Grant Program

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Implementation Final Application -

Priorities, Requirements, Preferences

Program Priorities, Requirements, and Preferences

- Consistent with Proposition 1 prioritization criteria and the State Water Board Requirements and Preferences.
- The Project addresses a significant groundwater contamination problem.
- Provide the lowest cost alternative.
- For Implementation Projects - Ensure the metric estimates are reasonable and feasible within the life of the project.
 - How the Metric will be measured during the life of the Project.
 - Justify that the metric is achievable.
 - Assure that data collected for the metric is readily available.

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Application Questions/Scoring – Implementation



Program Priorities, Requirements, and Preferences (30 Points Total)	Scoring Question #	Max. Points Possible
Consistent with one or more Proposition 1 prioritization criteria	6 a.	5
Consistent with State Board requirements and preferences, addresses significant groundwater contamination problem, provide lowest cost alternative	6 b. – e.	20
New and innovative technologies	7	5
Reasonable metrics of success, targets and goals	8	5

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Implementation Final Application



Scope of Work

- Description of the technology and practices of the project.
- Supporting engineering calculations.
- Technical justification that work completed will achieve or lead up to achieving project goals.
 - The Scope of Work must also describe:
 1. Work Tasks and Deliverables
 2. Stakeholder Outreach / Regulatory Concurrence
 3. Consistency with Next Phase of Project
 4. Permitting and Environmental Review / Site Access
 5. Plans and Specifications

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Application Questions/Scoring – Implementation



Scope of Work (40 Points Total)	Scoring Question #	Max. Points Possible
Technical basis and engineering calculations	9 a. – b.	10
Tasks and deliverables for project completion	9 c.	5
Technical justification of tasks proposed	9 d.	5
Stakeholder involvement and public outreach	9 e.	5
Project phasing	9 f.	5
Required permits, environmental documents	9 g.	5
Status of design plans and specifications	9 h.	5

Groundwater Grant Program

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Implementation Final Application - Schedule



Schedule

- Demonstrate that the project can be completed within the appropriation timeframe.
 - Schedule is consistent with the budget and scope of work.
- | | |
|--|--|
| <ul style="list-style-type: none"> • Gantt Chart <ul style="list-style-type: none"> • Task Names • Duration of Tasks • Anticipated Start/Finish Dates | <ul style="list-style-type: none"> • Schedule Narrative <ul style="list-style-type: none"> • Milestones, Project Schedule • Discuss schedule completion, applicable permits, activities for closeout |
|--|--|

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Application Questions/Scoring – Implementation



Schedule (20 Points Total)	Scoring Question #	Max. Points Possible
Decision points, milestones, deliverables	10	5
Project completion within timeframe for next phase of overall project	11	5
Schedule consistent with tasks in Scope of Work and budget	12	5
Can the project be completed within the appropriation timeframe?	13	5

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Implementation Final Application - Budget



Budget

- Ensure that the summary budget table and narrative justify the project costs and that the costs are reasonable.
- Provide a cost-benefit analysis justifying the proposed project relative to other feasible alternatives.
 - The Budget must also include the following:
 1. A description to support each budget category
 2. An explanation of how the costs were estimated
 3. A cost-benefit analysis for all cleanup and/or prevention project alternatives considered.
 4. Describe how the benefits are significant given the cost of the project.
 5. Provide an explanation of the sources of matching funds.

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Application Questions/Scoring – Implementation



Budget (25 Points Total)	Scoring Question #	Max. Points Possible
Project costs justified by budget table and narrative	14	5
Tasks consistent with tasks in Scope of Work and schedule	15	5
Cost-benefit analysis showing alternatives	16	5
Significant benefits, given the cost	17	5
Leveraging of other funds	18	5

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Implementation Final Application



Performance Evaluation and Monitoring (PAEP)

- Detail how project performance will be assessed, evaluated, and reported during execution of grant agreement and during useful life of project.
 - Also discuss the following:
 - Providing framework
 - Identifying specific measures
 - Providing monitoring tools
 - Providing future improvements
 - Maximizing public expenditures

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Application Questions/Scoring – Implementation



Performance Evaluation and Monitoring (15 Points Total)	Scoring Question #	Max. Points Possible
Data collection, monitoring, managing and reporting	19	5
Measurement tools and monitoring project performance	20	5
Proposed monitoring and discussion for tracking benefits	21	5

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Implementation Final Application - DAC/EDA Benefits



DAC/EDA Benefits

- Provide sufficient documentation that the project is supported by representatives of the SDACs/DACs/EDAs.
- Identify and justify the project benefits to SDACs/DACs/EDAs.

Include information regarding:

- Income Data of the project area DACs or EDAs
- Methodology used for project area total population
- How project area land-use impacts the DAC or EDA

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Application Questions/Scoring – Implementation



DAC/EDA (20 Points Total)	Scoring Question #	Max. Points Possible
Justification of project benefits to SDACs/DACs/EDAs	22	10
Project benefits and support documentation for SDACs/DACs/EDAs	23	10

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Tips for Proposal Scoring



- Completely answer all questions
- Do NOT leave blanks or use "N/A"
- Reference Scoring Criteria while completing application
- Do NOT make assumptions
- Ensure consistency throughout application/attachments
- Make application a standalone proposal



Questions

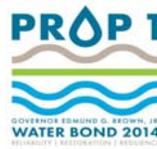
Next Steps



Guideline and Funding Milestones	Dates
Pre-application Closes for Round 1 Groundwater Grant Program Funding	July 29, 2016
Pre-application Review for Round 1	Aug 1 – Sept 3, 2016
Final Application Closes for Round 1	October 14, 2016
Final Application Review for Round 1	Oct 16 – Nov 4, 2016
Final Evaluations of Final Applications	Nov 7 – Dec 2, 2016
Preliminary Award	December 2016
Grant Agreements	March 2017

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Water Board Groundwater Quality Funding Programs

Send questions and comments to
gwquality.funding@waterboards.ca.gov

Additional information can be found at our website:
http://www.swrcb.ca.gov/water_issues/programs/grants_loans/gw_funding/

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