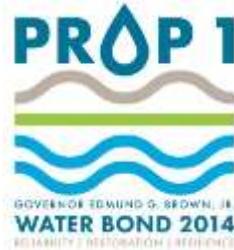




CALIFORNIA DEPARTMENT OF WATER RESOURCES  
WATER USE AND EFFICIENCY BRANCH  
P.O. Box 942836  
Sacramento, CA 94236-0001

**FINAL**  
**AGRICULTURAL WATER USE EFFICIENCY 2015**  
**GRANTS**



**PROPOSITION 1**  
**GUIDELINES AND PROPOSAL SOLICITATION PACKAGE**

**Exhibits I-VII**

**January 27, 2016**

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**DRAFT AGRICULTURAL WATER USE EFFICIENCY 2015 GRANTS  
GUIDELINES AND PROPOSAL SOLICITATION PACKAGE**

# **Exhibits I-VII**

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# EXHIBIT I

## EXAMPLES OF SECTION B PROJECTS

### The following is a list of different types of Section B Projects

#### Water use efficiency planning, research and development, feasibility studies, pilot, or demonstration projects

- Conduct research or demonstrations, or equip growers with expertise and resources to facilitate soil and water management practices that improve water use efficiencies.
- Estimation of past, present and future water savings in urban and agricultural sectors
- Monitoring and evaluation of current and completed water use efficiency projects to validate results and make recommendations for future projects
- Exploration of new technologies and innovative water management practices to improve water use efficiency
- Collection of agricultural applied water data by crop (irrigation method, soil, year) with corresponding analysis of estimated crop evapotranspiration
- Assessment of water management and efficiency by measurement of applied water, runoff/tail water returned, and precipitation
- Mobile Lab irrigation evaluation for a two year determination of irrigation efficiency to assess irrigation water management regionally by crop
- Compile detailed information on local water delivery and conveyance systems (pressure pipeline, lined surface canal, unlined surface canal, ditch, etc.) to evaluate potential of water savings/applied water reductions
- Studies of water conservation implementation challenges and proposals that will remove the implementation impediments for urban and agricultural water use efficiency
- Preparation of Water Management Plans in accordance to SB X7-7.

#### Water use efficiency training, education, or public education programs

- Developing education and outreach material, conducting training, workshops, and courses, including, but not limited, on-farm management for agricultural water use efficiency,

#### Water use efficiency technical assistance programs

- Provide technical expertise for setting up irrigation system scheduling; implementing and maintaining crop water use monitoring technologies; and, data management and analysis systems.
- Statewide technical assistance to facilitate the implementation of Efficient Water Management Practices, urban BMPs, or other water use efficiency actions
- Energy conservation projects that help improve water use efficiency
- Assistance in installation, operation, and maintenance of water measurement devices for compliance with water measurement regulations

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# EXHIBIT II

## REQUESTS FOR REDUCTION OR WAIVER OF LOCAL COST SHARE DISADVANTAGED COMMUNITIES AND ECONOMICALLY DISTRESSED AREAS

### PURPOSE

The purpose of this exhibit is to provide a method for requesting a reduction or waiver of the cost share for Water Conservation/Water Use Efficiency implementation grants. DWR will review the information submitted by the applicant and, based on the information provided, decide whether to grant, amend, or deny the request for the reduction or waiver.

### DEFINITIONS

**Block Group** – a census geography used by the U. S. Census Bureau (USCB) that is a subdivision of a census tract. A block group is the smallest geographic unit for which the USCB tabulates sample data. A block group consists of all the blocks within a census tract with the same beginning (block) number.

**Census Designated Place** – a census geography used by the USCB that is a statistical entity, defined for each decennial census according to USCB guidelines, comprising a densely settled concentration of population that is not within an incorporated place, but is locally identified by a name. Following USCB guidelines, census designated places are delineated cooperatively by state and local officials and the USCB.

**Census Tract** – a census geography used by the USCB that is a small, relatively permanent, statistical subdivision of a county, delineated by a local committee of census data users for the purpose of presenting data. Census tract boundaries normally follow visible features, but may follow governmental unit boundaries and other non-visible features. In some instances they nest within counties. Census tracts are designed to be relatively homogeneous units with respect to population characteristics, economic status, and living conditions. Census tracts average about 4,000 inhabitants.

**Community** – for the purposes of this grant program, a community is a population of persons residing in the same locality under the same local governance.

**Disadvantaged Community Applicant**– an applicant whose entire community that is served by the water from the project has an annual Median Household Income (MHI) that is less than 80% of the statewide MHI (CWC § 79505.5 (a)). For example, using the most recent data available for the 5-year period (2009-2013), the DAC threshold (80% of the Statewide MHI of \$61,094) is \$48,875. For additional information on the American Community Survey (ACS), visit: <http://quickfacts.census.gov/qfd/states/06000.html> or <http://www.census.gov/acs>.

**Economically Distressed Area** - a municipality with a population of 20,000 persons or less, a rural county, or a reasonably isolated and divisible segment of a larger municipality where the segment of the population is 20,000 persons or less, with an annual median household income that is less than 85 percent of the statewide median household income (= \$59,930), and with one or more of the following conditions as determined by DWR:

- Financial hardship
- Unemployment rate at least 2 percent higher than the statewide average (Refer to “Official EDD Statewide News Release” at: <http://www.labormarketinfo.edd.ca.gov/data/unemployment-and-labor-force.html#PR> for most current rate)
- Low population density

**Low Population Density** - for the purposes of determining EDA status, low population density is defined as 100 people or fewer per square mile (Source: “Proposition 1 Economically Distressed Area Instructions” available at:

[http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final\\_Proposition%201\\_Economically%20Distressed%20Area%20Instructions.pdf](http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final_Proposition%201_Economically%20Distressed%20Area%20Instructions.pdf)

**Municipality** - an incorporated city or unincorporated areas where an entity provides a public service (Source: “Proposition 1 Economically Distressed Area Instructions” available at:

[http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final\\_Proposition%201\\_Economically%20Distressed%20Area%20Instructions.pdf](http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final_Proposition%201_Economically%20Distressed%20Area%20Instructions.pdf)

**Place** – a census geography used by the USCB that is a concentration of population either legally bounded as an incorporated place, or identified as a Census Designated Place.

**Region** – an applicant’s geographic area where the project will be implemented.

**Rural County** - the non-metropolitan California counties identified in the United States Census Bureau designation of metropolitan statistical areas (United States Office of Management and Budget, effective 2010 and verified 2014) (Source: “Proposition 1 Economically Distressed Area Instructions” available at:

[http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final\\_Proposition%201\\_Economically%20Distressed%20Area%20Instructions.pdf](http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final_Proposition%201_Economically%20Distressed%20Area%20Instructions.pdf)

## WHAT TO SUBMIT (Attachment 8)

### Documentation of the Presence of Disadvantaged Communities or Economically Distressed Areas

If disadvantage community (DAC) or economically distressed area (EDA) requirements are not met, please do not file for a reduction or waiver of the local cost share.

**Disadvantaged Community Status.** To qualify for a reduction or waiver of the required local cost share based on DAC status, the Median Household Income (MHI) of the population served by the water from the proposed project must be less than \$48,875. Applicants should ensure the description of the DAC is adequate to determine whether the communities meet the definitions of this Exhibit. Include information that supports the determination of DAC status as defined in this Exhibit.

Provide annual MHI data for the population served by the water from the proposed project.

The following data requirements must be met:

- MHI and population data sets must be from the most recent data available for the 5-year period 2009-2013.
- MHI data used in analysis must be from the same time period and geography as the population data.
- MHI data must be for the population served by the water from the proposed project.
- Applicants must provide information (map or other documents) indicating the boundaries of the applicant's service area.

**Allowances:**

- Applicants may estimate DAC population numbers by any means that are accessible to them as long as the above requirements are met.
- In determining MHI and population for DACs, applicants may use a single type of census geography or combinations of census geographies that best represent the region. However, the census geography used must be consistent for both MHI and population for a particular community.

DWR has developed a tool that uses 2009-2013 ACS data to show the location and boundaries of DACs in the State, at the census place, tract, and block group level. The tool allows users to view different geographies or combinations of geographies, using different base maps and the ability to zoom in to any scale. DWR will allow for use of alternative geographies of ACS data to determine whether a project area serves a DAC. To use the tool, go to the DWR's IRWM website, under the Resources and Links: <http://gis.water.ca.gov/app/boundaries/> or [http://www.water.ca.gov/irwm/grants/resources\\_dac.cfm](http://www.water.ca.gov/irwm/grants/resources_dac.cfm)

**Economically Distressed Area Status.** To qualify for a reduction or waiver of the required local cost share based on EDA status, the Median Household Income (MHI) of the population served by the water from the proposed project must be less than \$51,930 and meet two additional criteria as identified above in the Definitions section. Applicants should ensure the description of the EDA is adequate to determine whether the communities meet the definitions of this Exhibit. Include information that supports the determination of EDA status as defined in this Exhibit.

**Criteria 1:**

Provide annual MHI data for the population served by the water from the proposed project.

The following data requirements must be met:

- MHI and population data sets must be from the most recent data available for the 5-year period 2009-2013.
- MHI data used in analysis must be from the same time period and geography as the population data.
- MHI data must be for the population served by the water from the proposed project.

Applicants must provide information (map or other documents) indicating the boundaries of the applicant's service area.

**Criteria 2:**

Select and justify one of the below options for meeting Criteria 2.

- Option 1 *Municipality with Population of 20,000 People or Less*
- Option 2 *Rural County*. Refer to "Definitions"
- Option 3 *Reasonably Isolated and Divisible Segment of a Larger Municipality where the Segment of the Population is 20,000 Persons or Less*. The basis for claiming that the area in question is reasonably isolated and divisible must be explained.

**Criteria 3:**

Select and justify one of the below options for meeting Criteria 3.

- Option 1 *Financial Hardship*. The basis for claiming financial hardship must be explained.
- Option 2 *Unemployment Rate at least 2 Percent Higher than the Statewide Average*. The 2014 statewide annual average unemployment rate for California is 7.5%. For the purposes of determining EDA status, the area's unemployment rate must be 9.5% or higher.
- Option 3 *Low Population Density*. Refer to "Definitions"

**Allowances:**

- Applicants may estimate EDA population numbers by any means that are accessible to them as long as the above requirements are met.
- In determining MHI and population for EDAs, applicants may use a single type of census geography or combinations of census geographies that best represent the region. However, the census geography used must be consistent for both MHI and population for a particular community.

DWR has developed a tool that uses 2009-2013 ACS data to show the location and boundaries of EDAs in the State, at the census place, tract, and block group level. The tool allows users to view different geographies or combinations of geographies, using different base maps and the ability to zoom in to any scale. DWR will allow for use of alternative geographies of ACS data to determine whether a project area serves a EDA. To use the tool, go to the DWR's IRWM website, under the IRWM Grant Programs, Grant Program Resources:

<https://gis.water.ca.gov/app/edas/>. Guidance on use of this tool is available at: [http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final\\_Proposition%201\\_Economically%20Distressed%20Area%20Instructions.pdf](http://www.water.ca.gov/irwm/grants/docs/Resources/EDA/Final_Proposition%201_Economically%20Distressed%20Area%20Instructions.pdf).

### **Documentation of Disadvantaged Communities or Economically Distressed Areas Participation**

The mere presence of DACs or EDAs in the region is not sufficient cause to grant reduction of the cost share. DACs or EDAs must be involved in the planning and implementation process. Supporting information that demonstrates how DACs or EDAs are, or will be, involved in the planning and implementation process must be included. Information must demonstrate how DACs, EDAs, or their representatives, are participating in the project. Include letters of support from DAC or EDA representatives that verify support, inclusion, and participation in the process (letters do not count towards the page limit). If an applicant cannot demonstrate DAC or EDA representation or participation in the planning and implementation process, please do not apply for a reduced cost share or waiver.

### **Benefits and Impacts to Disadvantaged Communities or Economically Distressed Areas**

Applicants should explain anticipated benefits and impacts to DACs or EDAs in their proposal. The explanation should include the nature of the anticipated benefit(s) and the certainty that the benefit(s) will accrue if the project is implemented. Projects not benefiting DACs or EDAs are not eligible for a reduction or waiver of cost share.

### **Calculating Population and Median Household Income for the Disadvantaged Communities or Economically Distressed Areas**

Provide sample calculations showing the MHI of the population served by the water from the project. Applicants are required to submit maps or other information depicting the boundary of the applicant's service area. Applicants must provide documentation for the MHI of all individuals served by the water from the project (land owners, and other residents served by the project) in the applicant's service area.

#### Reduced or waived local share:

Explain in detail to justify why the local share has to be reduced or waived based on DAC or EDA status. Enter the proposed local share in the Budget Table, in Attachment 6.

### **Calculating Criteria 2 and 3 for Economically Distressed Areas (if applicable)**

**Criteria 2:** Provide sample calculations or EDA Mapping Tool map showing that the project service area is a municipality with population of 20,000 people or Less, or a rural county, or a reasonably isolated and divisible segment of a larger municipality where the segment of the population is 20,000 persons or less.

**Criteria 3:** Provide sample calculations or EDA Mapping Tool map showing the unemployment rate or population density of the project service area, or provide justification and sample calculations for identifying financial hardship.

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# EXHIBIT III

## Report Requirements

Reporting Requirements																																												
<b>Quarterly Reports</b>																																												
<p><b>Agricultural Water Use Efficiency Assistance Grant (Proposition 1)</b>  <b>Quarterly Progress Report</b></p> <p><b>Report Date:</b>  <b>Agreement Number:</b>  <b>Project Title:</b>  <b>Funding Recipient:</b>  <b>Contact Person:</b>  <b>Phone:</b>  <b>Email:</b></p> <p><b>Quarter End Date:</b></p> <p><b>Total State Funds Expended to Date: \$</b></p> <hr style="width: 30%; margin-left: 0;"/> <p>Signed, Reviewed by Designated Representative</p> <p><b>Progress Achieved:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Project Component</th> <th style="width: 10%;">Cumulative</th> <th colspan="3" style="width: 50%;">Funds Expended This Reporting Period</th> </tr> <tr> <th>Task Number and Description</th> <th>% Complete</th> <th>DWR Grant</th> <th>Local Cost Share</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Task 1 <i>(Description)</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Task 2, Subtask 2.1 <i>(Description)</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Task 2, Subtask 2.2 <i>(Description)</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Task 3 <i>(Description)</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>use additional lines as necessary</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Total</b></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Project Component	Cumulative	Funds Expended This Reporting Period			Task Number and Description	% Complete	DWR Grant	Local Cost Share	Total	Task 1 <i>(Description)</i>					Task 2, Subtask 2.1 <i>(Description)</i>					Task 2, Subtask 2.2 <i>(Description)</i>					Task 3 <i>(Description)</i>					<i>use additional lines as necessary</i>					<b>Total</b>				
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**Activities Performed:**

- By task, describe the activities and deliverables completed during the reporting period to justify expenditures and reported progress.
- State the progress toward completion of the tasks compared to the Project schedule. Is the project on schedule or are there problems and delays?

**Description of Estimated Benefits to Date:**

Water Quantity – Local and State (acre feet)

- Annual water savings reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)
- Total water savings for the life of the project reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)

Targeted watershed, rivers and tributaries – (list names)

In-stream Flow – Local and State (acre feet)

Water Quality – Local and State

Drought Mitigation(s) – Local and State

Water Shortage Management – Local and State

Energy savings – Local and State (kilowatts)

GHG Emissions Reductions – Local and State (KgCO<sub>2</sub>)

**Next Quarter Projections:**

Describe planned activities, by task, for the next quarter.

**Please submit one original of the progress report along with the invoice.**

## Final Report

### Agricultural Water Use Efficiency Assistance Grant (Proposition 1) Draft/Final Report

Report Date:

Agreement Number:

Project Title:

Funding Recipient:

Contact Person:

Phone:

Email:

---

Signed, Reviewed by Designated Representative

#### **Description of Project Goals and Objectives**

- List the original goals and objectives
- Detail of DWR-approved changes and/or adjustments made during the project
- Detail of causes to support changes and/or adjustments

#### **Project Tasks**

- As identified in the Agreement
- Tasks as actually performed
- Detail of causes to support changes and/or adjustments
- Detail of DWR-approved changes and/or adjustments throughout the project by task

#### **Description of Expected Project Benefits (As Stated in the Proposal)**

**Water Savings** – Local and State (acre feet). Include a description of:

- Annual water savings reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)
- Total water savings for the life of the project reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)

Local

State

**In-stream Flow** – Local and State (acre feet)

Local

State

**Water Quality** – Local and State

Local

State

**Energy savings** – Local and State (kilowatts)

Local

State

**GHG Emissions Reductions** – Local and State (KgCO<sub>2</sub>)

Local

State

**Other** – Include economic, environmental, drought mitigation, water shortage management, or other benefits, if any

**Description of Actual Project Benefits (Achieved After Completion of the Project)**

**Water Savings** – Local and State (acre feet). Include a description of:

- Annual water savings reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)
- Total water savings for the life of the project reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)

Local

State

**In-stream Flow** – Local and State (acre feet)

Local

State

**Water Quality** – Local and State

Local

State

**Energy savings** – Local and State (kilowatts)

Local

State

**GHG Emissions Reductions** – Local and State (KgCO<sub>2</sub>)

Local

State

**Other** – Include economic, environmental, drought mitigation, water shortage management, or other benefits, if any

**Description of Project Costs:**

- Describe costs of this project including local, State share, and any other costs
- Changes and/or adjustments throughout the project (if any)
- Causes to support changes and/or adjustments

**Monitoring and Assessment** [Describe in detail]

- Qualitatively/quantitatively describe pre-project condition(s) which are expected to be improved by implementation of this project
- How monitoring and assessment was conducted for pre-project condition(s) and tools/methods/measures used for monitoring and assessment
- How monitoring and assessment was conducted for post-project condition(s) and tools/methods/measures used for monitoring and assessment
- Main indicators of success to achieve goals/objectives of this project
- How you will continue monitoring and assessment for post project updates and reports
- Changes and/or adjustments throughout the project (if any)
- Causes to support changes and/or adjustments

**Deliverables**

- What deliverables (reports, maps, flyers, environmental documents, etc.) were delivered to DWR as part of implementation of this project?
- Changes and/or adjustments throughout the project (if any)
- Reasons of support changes and/or adjustments

**Schedule or Timeline for Progress/Payment/Final Report**

- Detail of changes and/or adjustments throughout the project by task and overall
- Detail of causes to support changes and/or adjustments

**Cooperators**

- Description of each cooperator/sub-contractor
- Detail of each cooperator's performance and impacts on the outcome of this project

**Final Statement**

- Summary of expected and realized benefits/costs

**Post Project Annual Reports:**

**Agricultural Water Use Efficiency Assistance Grant (Proposition 1)  
Post-Project Annual Report of Benefits and Costs**

Annual reports of benefits and costs are required to be submitted for five (5) consecutive years after the agreement end date.

**Report Date:**

**Agreement Number:**

**Project Title:**

**Funding Recipient:**

**Contact Person:**

**Phone:**

**Email:**

---

Signed, Reviewed by Designated Representative

**Description of Benefits and Costs**

- Was there any revision in benefits and costs since the completion of the project?
- Describe the impacts of the implementation of the project on the Funding Recipient's water management since the project was completed.

**Water Savings** – Local and State (acre feet). Include a description of:

- Annual water savings reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water of net water savings)
- Total water savings for the life of the project reported as:
  - Recoverable (applied water reduction)
  - Irrecoverable (real water or net water savings)
- List targeted watershed, rivers and tributaries conveying water to the Bay-Delta.

**In-stream Flow** - Local and State (acre feet)

- List targeted watershed, rivers and tributaries conveying water to the Bay-Delta.

**Water Quality** - Local and State

- List targeted watershed, rivers and tributaries conveying water to the Bay-Delta.

**Drought Mitigation(s)** -

**Water Shortage Management** -

**Energy savings** – Local and State (kilowatts)

**GHG Emissions Reductions** – Local and State (KgCO<sub>2</sub>)

**Other** – Include economic, environmental benefits, if any

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# EXHIBIT IV

## APPLICATION SELECTION CRITERIA

### Eligibility and Completeness

**Screening Criteria:** Applications will first be screened for eligibility and completeness.

- Is the Applicant eligible?
- Is the Applicant in compliance with the Groundwater Planning Requirements (per Exhibit VII)?
- Is the proposed project an agricultural water use efficiency project?
- Is the proposed project also otherwise an eligible project?
- Does the proposal contain all required submittals?
- Does the proposed project have State benefits?
- If a Section A project, are benefits quantified?
- Do the budget table totals match the on-line application input budget totals?
- Is the proposed project in the correct funding category (Section A or Section B)?
- Does it meet the funding cap requirement?
- Has applicant offered at least 50% local cost share?
- If local cost share is less than 50%, is the applicant a disadvantaged community or economically distressed area?
- Is there a budget for each task identified in Attachment 4?
- Does the applicant have any conflict of interest?
- Does the applicant object to the State's intellectual interests of the project?
- Any other issues or concerns?

Applications that are complete and eligible will be scored based on the scoring criteria presented in the following score sheets.

# Proposal Review Score Sheet

Relevance and Importance / Consistency with PSP Priorities	Total Points	Score* 30
How well does the project or the information gained or disseminated by the project address the funding priorities of the PSP and Proposition 1 goals? Has the applicant sufficiently demonstrated an agricultural water use efficiency benefit?		
<i>Comments:</i>		
Does the project directly achieve or is it designed to facilitate water supplier and on-farm water use efficiencies?		
<i>Comments:</i>		
Is the project NOT locally cost-effective?		
<i>Comments:</i>		
Regional scope – Is the project consistent with regional or local water management plans? Will this project employ a regional collaborative scope of activities and improve regional water self-reliance?		
<i>Comments:</i>		
Does the project improve irrigation water management to conserve water or reduce the quantity of highly saline or toxic drainage water?		
<i>Comments:</i>		
Does the project provide water metering and/or volumetric pricing for agricultural water suppliers serving less than 25,000 irrigated acres?		
<i>Comments:</i>		
Does the proposal leverage private, federal, or local funding to produce the greatest state level public benefit?		
<i>Comments:</i>		
Innovation and Use of Best Available Technology - Does the project offer a new technology, method, or system that has not yet been tested in California, implement Best Available Technology, or otherwise use existing technology in an innovative manner?		
<i>Comments:</i>		
Disadvantaged Community / Economically Distressed Area – Does the project involve or provide direct benefits from the grant to a disadvantaged community or economically distressed area?		
<i>Comments:</i>		
Energy / GHG reduction - Relative to the project’s water components, will this project reduce energy demand? How will implementation reduce GHG production?		

Comments:

*\*Note to Reviewers: Project does not have to meet all priorities to score full points*

<b>Feasibility</b>	<b>Total Points</b>	<b>25</b>
Technical and Scientific Merit – Does the project have adequate feasibility and technical merit? Do the approach, methods and procedures used satisfy the project’s SMART objectives?		
Comments:		
Outreach, Community Involvement, and Acceptance – Has the applicant coordinated with local organizations and provided demonstrated support? Is the project ready to proceed?		
Comments:		
Qualifications of the Applicants and Cooperators – Are the applicant and cooperators qualified? Will the applicant be able to provide for the management and control of project benefits?		
Comments:		
Based on the proposal’s statement of work and project description, how likely will the quantity of benefits estimated in the proposal be achieved?		
Comments:		
<b>Project Benefits</b>	<b>Total Points</b>	<b>20</b>
Quantity of Benefits - Will the project or information provide significant state and/or local benefits after project is implemented? (e.g., quantity of water saved).		
Comments:		
Multiple benefits - How well does the project provide multiple benefits? Water savings, water quality, environmental and/or energy savings / GHG emissions reduction.		
Comments:		
<b>Project Costs</b>	<b>Total Points</b>	<b>15</b>
Are costs reasonable?		
Comments:		
How does State cost to State benefits compare to other proposals (e.g., \$/AF)?		

<i>Comments:</i>		
Local Cost Effectiveness and Local Cost Share- How accurately were the local monetary benefits estimated? How closely has the applicant matched the project’s local cost share to the local monetary benefit?		
<i>Comments:</i>		
<b>Monitoring and Evaluation</b>	<b>Total Points</b>	<b>10</b>
Verification of Project Results – Does the proposal clearly identify the project SMART objectives? Is the monitoring and performance plan complete (e.g., procedures for baseline information, performance metrics, identification of output and outcome indicators, etc.)? Will the performance metrics allow for verification of anticipated project results and benefits?		
<i>Comments:</i>		

# EXHIBIT V

## PROJECT COSTS

“Reimbursable Costs” are costs that may be funded under Proposition 1. Reimbursable costs include the reasonable costs of engineering, design, land and easement, legal fees, preparation of environmental documentation, environmental mitigation, and project implementation.

Costs Eligible for Reimbursement
<p>The following costs are reportable in Table 1 and must correspond to project tasks. List major cost items for each task. Subdivide into subtasks where appropriate and provide major costs for each subtask. Table 1 allows for reporting up to 10 tasks. If your project involves more than 10 tasks, please contact DWR staff for assistance. Table 1 is designed to have two subtasks for each task. If your task has more than two subtasks, use an extra sheet to document and add costs of subsequent subtasks and enter the total in the “subtask 2” line. Rename this line as “subtasks 2 through x”. Add the extra sheets to the Project Costs Attachment.</p>
<p><b>Administration/Management</b></p>
<p>This budget category includes all administration costs and project management costs for the grant recipient and any partner agencies or organizations. Indicate a program manager and other key personnel by name and title. Other personnel may be indicated by title alone. For all positions, indicate salaries and wages. All labor estimates, including any proposed subcontractors involved in administration or management should be reported. Include travel costs. Also include project quarterly and final reports costs.</p> <p>Applicants are encouraged to limit such costs to the State. Such administrative expenses are the necessary costs incidentally but directly related to the Proposal.</p>
<p><b>Planning/Design</b></p>
<p>This includes all costs related to the planning and design of the project, if applicable. Identify all work that will be accomplished by sub-recipients, consultants, or contractors, including a detailed budget estimate that will be required for planning and design.</p>
<p><b>Environmental Compliance</b></p>
<p>This includes all costs associated with the preparation of CEQA/NEPA documentation and environmental compliance. Include any legal fees for permits.</p>
<p><b>Implementation or Carrying Out the Project</b></p>
<p>This includes costs of activities to carry out the project including materials and personnel. The cost items needed for implementation, construction, construction administration, field work for research and development projects, costs of carrying out Research &amp; Development projects (workshops, training, technical assistance), rebates, and land purchase and easement are:</p> <ul style="list-style-type: none"> <li>• Salaries</li> <li>• Travel expenses</li> <li>• Equipment</li> <li>• Installations</li> <li>• Materials and supplies</li> </ul>
<p><b>Equipment</b></p>

Itemize costs of all equipment having a value of over \$500, tied immediately and exclusively to the achievement of the project purposes. Include information as to the need for this equipment.

#### **Rebates**

Rebates shall be a reasonable amount and the unit price for each rebate category must be provided.

#### **Materials**

Detail shall include necessary materials for the project. Itemize supplies by major category, quantity, and purpose, such as whether the items are needed for office use, research, or construction.

#### **Installation**

Detail shall include unit cost of installation of equipment.

#### **Construction Administration (Section A projects)**

For Section A projects, the costs to administer and manage construction of the project must be presented. Provide a discussion of the method used to determine this cost. If a percentage of construction cost is used here, indicate the percentage used. If the estimate will be based on expected hours of effort, list the hours by discipline, unit cost, and total cost.

#### **Construction (Section A projects)**

The estimate should include the quantity of materials used, unit cost, number of units, and if possible, should have separate costs for labor, equipment, and materials, if different from cost items above.

#### **Land Purchase/Easement**

Detail shall include whether the cost is for purchase of land or an easement to use the land. If land purchase is to be included in the funding match, include whether it is a proposed acquisition or if the land is already owned by the applicant or partner agency/organization. If the land is already owned by the applicant or partner agency/organization, indicate when the land was purchased and the purchase price. The purchase price for that portion of the land that will be dedicated to the proposal may, in certain circumstances, be included as funding match.

Acquisition of land via eminent domain is not eligible for reimbursement (CWC §79711(g))

#### **Construction Monitoring and Verification (Section A projects)**

Include any costs of monitoring required before and during the construction/initial implementation of the project. Include any costs of assessment required during and after the construction/implementation of the project.

#### **Other**

Other eligible costs include: field work, costs of holding workshops, printing brochures, and salaries of workers implementing tasks (i.e. researcher, trainers in a training project, consulting services to implement a section B project).

## Costs Ineligible for Reimbursement

Costs that are not reimbursable with grant funding include, but are not limited to:

- Costs incurred prior to the award date. (Eligible costs incurred after the award date but prior to the effective date of a grant agreement with the State may be reimbursable **at DWR's discretion**)
- Operation and maintenance costs, including post construction project performance and monitoring costs
- Purchase of equipment not an integral part of the project, such as computers, non-dedicated monitoring equipment, and others that can be used for other purposes are not eligible for funding.
- Establishing a reserve fund
- Purchase of water supplies
- Replacement of existing funding sources for ongoing programs
- Support of existing agency requirements and mandates
- Purchase of land in excess of the minimum required acreage necessary to operate as an integral part of the project, as set forth and detailed by engineering and feasibility studies, or land purchased prior to effective date of a grant agreement with the State
- Purchase of mobile equipment (vehicles)
- Cost of the buildings for Section B projects
- Installation of water meters, other devices, or systems for new construction (see PSP)

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# EXHIBIT VI

## BENEFITS

The water quantity, instream flow and timing, water quality, and energy conservation/GHG emissions reduction benefits may include, but are not limited to, the following benefit types:

<b>State Benefits</b>
<b>Water Quantity</b>
<ul style="list-style-type: none"> <li>• Water savings to avoid diversions from the Delta or its tributaries</li> <li>• Water savings to avoid groundwater use</li> <li>• Water savings to avoid water supply projects</li> </ul>
<b>In-stream Flow and Timing</b>
<ul style="list-style-type: none"> <li>• Reduce diversion during periods of need</li> <li>• Increase stream flow during periods of need</li> </ul>
<b>Water Quality</b>
<ul style="list-style-type: none"> <li>• Water quality improvements related to protecting, restoring, or enhancing beneficial uses</li> <li>• Water quality improvements for impaired water bodies and sensitive habitats</li> <li>• Number of downstream water bodies affected</li> <li>• Water body names and water volumes</li> <li>• The fraction of each water body affected by the Proposal (if possible)</li> <li>• Beneficial uses identified for the water bodies affected by the Proposal</li> <li>• Pollutants present in the affected water body</li> <li>• Concentrations of each pollutant in the affected water body</li> <li>• Sources of the pollutants</li> <li>• Beneficial use activities affected by each pollutant</li> <li>• The total load reduction of pollutants in the affected water body</li> <li>• The change in pollutant concentrations in the affected water body</li> </ul>
<b>Energy Savings and GHG Emissions Reduction</b>
<p>Energy savings include savings in electricity use and fossil fuel consumptions (diesel, natural gas, gasoline, etc.). To convert the energy/fuel savings to the avoided Greenhouse Gas (GHG) emissions, see PSP Attachment # 12.</p>
<b>Local Benefits</b>
<b>Water Quantity</b>
<ul style="list-style-type: none"> <li>• Avoided water supply purchases costs</li> <li>• Avoided water supply projects costs</li> <li>• Avoided operations and maintenance costs</li> <li>• Water revenue from sales to another purveyor or third party</li> </ul>

<b>In-stream Flow and Timing</b>
Avoided dedication of water supply (explain)
<b>Water Quality</b>
<ul style="list-style-type: none"> <li>• Avoided water treatment costs</li> <li>• Avoided wastewater treatment costs</li> <li>• Avoided wastewater disposal costs</li> <li>• Reduced number of downstream water bodies affected</li> </ul>
<b>Energy Savings and GHG Emissions Reduction</b>
Water use efficiency projects with energy conservation or avoided cost of energy
<b>Other</b>
Avoided labor and maintenance costs (e.g., automation of system and deliveries)

# EXHIBIT VII

## GROUNDWATER PLANNING REQUIREMENTS

For a proposed project that directly affects groundwater levels or quality, the applicant must demonstrate the following prior to applying for a Proposition 1 grant (CWC §79742(b)).

<b>Adjudicated Groundwater Basins - All</b>
Describe how the project conforms with the applicable requirements of a water rights adjudication in the subject groundwater basin(s), per Water Code section 10753.7(b)(1)(C).
<b>Non- Adjudicated Groundwater Basins</b>
<b>Medium and High Priority Groundwater Basins as Determined by DWR</b>
<ol style="list-style-type: none"> <li>1. Explain how the applicant has prepared and implemented, participates in, or consents to be subject to an existing groundwater management plan or other plan that meets the requirements of Water Code section 10753.7;</li> </ol> <p>AND</p> <ol style="list-style-type: none"> <li>2. Describe the current status of basin efforts to comply with regulations adopted by the Department pursuant to Water Code section 10733.2, effective as of the application submittal date, including status of formation of a groundwater sustainability agency (GSA) and progress toward a groundwater sustainability plan (GSP).</li> </ol>
<b>Low or Very Low Priority Groundwater Basins as Determined by DWR</b>
<ol style="list-style-type: none"> <li>1. Describe the current status of the basin efforts to comply with regulations adopted by the Department pursuant to Water Code section 10733.2, effective as of the application submittal date, including status of formation of a GSA and progress toward a GSP, per Water Code section 10720.7(b); how the groundwater basin is managed prior to the completion of the GSP; and how the project is consistent with the management of the basin.</li> </ol> <p>OR</p> <ol style="list-style-type: none"> <li>2. Explain how the applicant has prepared and implemented, participates in, or consents to be subject to an existing groundwater management plan or other plan that meets the requirements of Water Code section 10753.7.</li> </ol>