

## **12 ATTACHMENT 9 – PROGRAM PREFERENCES**

*For the “AttachmentName” in the naming convention of BMS, use “Preference” for this attachment.*

*Attachment 9 is mandatory and must be no more than 10 pages in length using a minimum 10-point type font.*

*Submit a discussion on how the Proposal assists in meeting the Program Preference(s) described in Section II.F of the 2012 Guidelines. The discussion must identify the specific Program Preference(s) that the Proposal will meet; the certainty that the Proposal will meet the Program Preference(s); and the breadth and magnitude to which the Program Preference(s) will be met. Include graphics or maps as necessary to demonstrate how your proposal meets the preferences.*

The project is consistent with the following Program Preferences:

- Use of water more efficiently with significantly greater water conservation, recycling, and reuse to help meet future water demands and adapt to climate change (California Water Plan 2009); Implementation of conjunctive use management strategies;
- Reduction of groundwater overdraft (California Water Plan 2009);
- Regional projects or programs; and
- CAL-FED Bay-Delta Program objective of water supply reliability.

### **Regional Project or Programs**

This flood control basin complex will provide flood damage reduction benefits for multiple communities and will potentially develop additional surface water supplies for several downstream water agencies. The City of Visalia and Kaweah Delta WCD have existing agreements to cooperatively work on water management issues and have expanded that to include floodwater management projects in the recent past. The Project will develop an additional 1,500 AF of off-stream storage downstream of McKays Point.

### **CAL-FED Bay-Delta Program Objective: Water Supply Reliability**

As discussed in Attachment 3, the project will develop an additional 1,500 acre-feet of surface water storage in the Kaweah River Basin Region. As this is new project, this is reregulation capacity has historically not available to the region. The addition of new reregulating surface water storage will develop additional usable surface water supplies and aid the critically overdrafted groundwater in the Kaweah River Basin Region.

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**Table 12-1: Statewide Priorities for the IRWM Grant Program**

<b>Statewide Priorities:</b>	<b>Description:</b>	<b>Projects Consistent with Statewide Priorities:</b>
Drought Preparedness	Proposals that contain projects that effectively address long-term drought preparedness by contributing to sustainable water supply and reliability during water shortages. Drought preparedness projects do not include drought emergency response actions, such as trucking of water or lowering well intakes. Desirable proposals will achieve one or more of the following: Promote <u>water conservation</u> , conjunctive use, reuse and recycling; Improve landscape and agricultural irrigation efficiencies; Achieve long term reduction of water use; Efficient groundwater basin management; or Establish system inerties.	Hannah Ranch - conservation of floodwater
Use and Reuse Water More Efficiently	Proposals that include projects that implement water use efficiency, <u>water conservation</u> , recycling and reuse to help meet future water demands, increase water supply reliability and <u>adapt to climate change</u> . Desirable proposals include those with projects that: Increase urban and agricultural water use efficiency measures such as <u>conservation</u> and recycling; Capture, store, treat, and use urban stormwater runoff (such as percolation to usable aquifers, underground storage beneath parks, <u>small surface basins</u> , domestic stormwater capture systems, or the creation of catch basins or sumps downhill of development) or projects outlined in PRC §30916 (SB 790); or Incorporate and implement low impact development (LID) design features, techniques, and practices to reduce or eliminate stormwater runoff.	Hannah Ranch - conservation of floodwater and development of additional surface water storage

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Statewide Priorities:	Description:	Projects Consistent with Statewide Priorities:
Climate Change Response Actions	Water Management actions that will address the key Climate Change issues of: Adaptation to Climate Change; Reduction of Greenhouse Gas (GHG) Emissions; and Reduce Energy Consumption. Proposals that contain projects that when implemented address adaptation to climate change effects in an IRWM region. Desirable proposals include those that: Advance and expand conjunctive management of multiple water supply sources; <u>Use and reuse water more efficiently</u> ; Water management system modifications that address anticipated climate change impacts, such as rising sea-level, and which may include modifications or relocations of intakes or outfalls; or Establish migration corridors, re-establish river-floodplain hydrologic continuity, re-introduce anadromous fish populations to upper watersheds, and enhance and protect upper watershed forests and meadow systems. Proposals that contain projects that reduce GHG emissions compared to alternate projects that achieve similar water management contributions toward IRWM objectives. Desirable proposals include those that: Reduce energy consumption of water systems and uses; or Use cleaner energy sources to move and treat water. Proposals that contain projects that reduce not only water demand but wastewater loads as well, and can reduce energy demand and GHG emissions. Desirable proposals include: Water use efficiency, Water recycling, Water system energy efficiency, and <u>Reuse runoff</u> .	Hannah Ranch - conservation of floodwater and development of additional surface water storage
Expand Environmental Stewardship	Proposals that contain projects that practice, promote, improve, and <u>expand environmental stewardship to protect and enhance the environment</u> by improving watersheds, floodplains, and instream functions and to <u>sustain water and flood management ecosystems</u> .	Hannah Ranch - development of conserved habitat areas

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Statewide Priorities:	Description:	Projects Consistent with Statewide Priorities:
Practice Integrated Flood Management	Proposals that contain projects that promote and practice <u>integrated flood management</u> to provide multiple benefits including: Better emergency preparedness and response; <u>Improved flood protection</u> ; More sustainable flood and water management systems; Enhanced floodplain ecosystems; or LID techniques that store and infiltrate runoff while protecting groundwater.	Hannah Ranch - flood damage reduction benefits
Protect Surface Water and Groundwater Quality	Proposals that include: Protecting and restoring surface water and groundwater quality to safeguard public and environmental health and <u>secure water supplies for beneficial uses</u> ; or Salt/nutrient management planning as a component of an IRWM Plan	Hannah Ranch - conserve and reregulate flood water
Improve Tribal Water and Natural Resources	Proposals that include the development of Tribal consultation, collaboration, and access to funding for water programs and projects to better sustain Tribal water and natural resources.	N/A
Ensure Equitable Distribution of Benefits	Proposals that: Increase the participation of small and disadvantaged communities in the IRWM process; Develop multi-benefit projects with consideration of affected disadvantaged communities and vulnerable populations; Contain projects that address safe drinking water and wastewater treatment needs of DACs; or Address critical water supply or water quality needs of California Native American Tribes within the region.	Hannah Ranch - flood damage reduction benefits for Farmersville, Impericum and other DACs

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The project is also consistent with the following Statewide Priority:

- Drought Preparedness;
- Use and Reuse Water More Efficiently; and
- Climate Change Response Actions.

## **Drought Preparedness**

The Project helps address drought preparedness within the District and the Kaweah River region by increasing water conservation potential, reducing long-term groundwater overdraft, increasing the reliability of groundwater resources that will be relied on by growers during drought times, and increasing the region's and the District's ability to efficiently manage the groundwater basin. This project will increase the amount of surface used within the District and will thereby increase groundwater reliability.

Since KDWCD does not have sufficient surface water supplies to deliver irrigation water to growers all year long, every grower in the District must have a private groundwater well. Surface water is seasonally available to KDWCD growers, and groundwater is the only reliable source of water to the District. Therefore the District is a conjunctive use district (conjunctively using surface and groundwater resources) and this project will expand the District's conjunctive use efforts to be prepared for drought conditions through increased surface water availability. The increased surface water supply would benefit irrigation districts and municipalities within the Kaweah River region through direct delivery and offset groundwater pumping.

## **Use and Reuse Water More Efficiently**

This statewide priority category includes projects that implement water use efficiency, water conservation, and increase water supply reliability. The Hannah Ranch project implements all of these project aspects by conserving surplus wet year waters and transforming them into a regulated surface water supply that can be accessed by District growers. The increased conservation from this project is conservation of wet year surface water that would otherwise be beyond the District's ability to put it to beneficial use.