Yuba IRWMP – BVID-03

Project Short Form[1]

Please fill out the following information to the best of your ability/knowledge. Once the project has been received and a preliminary review completed, the project team will work with you to develop additional information.

Project Sponsor Contact Information

Lead Agency/Organization	Browns Valley Irrigation District
Name of Primary Contact(s)	Ryan McNally
Mailing Address	P.O. Box 6, Browns Valley, CA 95918
Email Address	ryan@bvid.org
Phone (###) ###-####	(530) 682-9000
Project Partners/Collaborators	
YWA Liaison	

General Project Information

Project Title	Pumpline Solar Project
Project Total Budget, based on current knowledge	$1.2 million (est.)
Project Funding Match, if any	$200,000
Total Project Funding Request	$1,000,000
Can a detailed cost estimate be provided upon request?	Yes.
Project Location (map if available)	Yuba River, 0.9 miles east of Daguerre Dam 39° 13'00"N; 121° 25'50"W
City/Community	Browns Valley / Loma Rica
Watershed/subwatershed	Yuba River
Groundwater Basin	North Yuba
Project Type (highlight in gray all that apply)	Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction Restoration Monitoring Best Management Practices Acquisition Demonstration/Pilot Project

[1] Completed Project Short Forms should be sent via email to Katie Burdick at admin@burdico.net ***and*** Elizabeth Herrera at **Elizabeth.herrera@fishsciences.net**

Project Description

Write a narrative briefly describing the project components and/or characteristics (maximum of 300 words).

BVID's Pumpline Canal is operated by pumping 65 cfs from the Yuba River after lifting it approximately 35 feet to the head of the canal to deliver to 73 services, 46 of which are large turnouts serving approximately 4,500 acres of production agriculture (rice, tree crops, etc.). Because of the amount of lift needed, there is a tremendous utility cost to provide the water to the canal and the District would like to protect against predicted PG&E rate increases by installing solar infrastructure sufficient to offset those costs.

BVID would also like to also begin exploring power storage solutions as part of this project to provide additional resiliency against PG&E's PSPS shutoff events to keep agricultural operations functioning, as well as increased fire prevention/protection.

I. Project Rationale/Issues Statement

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

PG&E rates are expected to increase substantially in future years, and the installation of solar would protect the District from such increases. The District's PG&E bill at the site generally exceeds $200,000 per year, and obviously, any increases in cost are passed to our local farmers. Solar would offset these costs with a 5-6 year ROI, and allow BVID to use the savings to better maintain the network of ditches and canals serving the District's production agriculture.

Additionally, if incorporating a power storage solution is practical, the installation of such would increase resiliency against PG&E's PSPS shutoff events.