

2019 Proposition 1 Disadvantaged Community Involvement Grant Program – Project Development Funds Applications

2019 Proposition 1 Disadvantaged Community Involvement Grant Program - KBWA

Through the Proposition 1 Disadvantaged Community (DAC) Involvement Grant Program (\$3.4 million allocated through the Integrated Regional Water Management (IRWM) Grant Program to the Tulare-Kern Funding Area), \$2 million was set aside for disadvantaged community project development. As directed by the Project Advisory Committee (PAC), formed by the County of Tulare to provide input on the implementation of the DAC Involvement Grant Program, the \$2 million was divided into eight (8) funding pots resulting in each of the seven (7) IRWM regions receiving \$250,000 in grants. An eighth pot containing \$250,000 was set aside as a regional competitive pot in which any of the seven IRWM regions could submit a project for consideration for the grant funding. A PAC subcommittee comprised of one representative from each of the seven DACs and a tribal member will evaluate and award the \$250,000 regional competitive pot. Six (6) projects were submitted to the Project Review Panel as summarized in the Project Descriptions Section.

Project Descriptions

EOCSD – East Orosi Well and Pipeline Design and Environmental Documents Project

East Orosi Community Services District (EOCSD) provides drinking water to the severely disadvantaged unincorporated community of East Orosi. The Project will, with input from EOCSD and Orosi Public Utilities District (OPUD), prepare construction documents and environmental documents for a production well, pipeline and storage tank (potentially) intended to resolve EOCSD's nitrate contamination, identified in the Preliminary Needs Assessment. Additionally, OPUD may also benefit from increased supply after project completion. OPUD's participation is critical since the Districts' are currently the subject of a Senate Bill 88 (SB88) process overseen by the Division of Drinking Water which mandates consolidation for systems that consistently fail to provide an adequate supply of safe drinking water. Previous grant funding was utilized for a Preliminary Engineering Report and test well. This Project would resolve remaining technical questions and allow for preparation of construction documents for additional grant funding once consolidation efforts are finalized.

MCWD – Replace Well 3 Project

The Malaga County Water District (MCWD) provides water services to the community of Malaga, a disadvantaged community. A capacity evaluation for MCWD was performed in 2015 and updated in 2019 which recommended an additional water supply and redundancies for the

water supply. Well sampling for existing Well No. 3 has found dibromochloropropane (DBCP), a major pesticide contaminant, which exceeds the MCL and has been a standby well. Additionally, existing Well No. 3 also has been found to have high levels of Electrical Conductivity (EC). The MCWD received a CDBG grant that allowed a test hole to be constructed in the vicinity of Well No. 3 to determine the viability of constructing a new water supply well. The hydrogeological evaluation indicated that a new water supply well was viable. The proposed project is for the preliminary design and preparation of CEQA documents necessary for the replacement of Well No. 3.

MCWD – Replace Well 5 Project

The MCWD provides water services to the community of Malaga, a disadvantaged community. A capacity evaluation for MCWD was performed in 2015 and updated in 2019 which recommended an additional water supply and redundancies for the water supply. Well sampling for existing Well No. 5 has found dibromochloropropane (DBCP), a major pesticide contaminant, which exceeds the MCL and has been a standby well. The MCWD received a CDBG grant that allowed a test hole to be constructed in the vicinity of Well No. 5 to determine the viability of constructing a new water supply well. The proposed project is for the preliminary design and preparation of CEQA documents necessary for the replacement of Well No. 5.

SCSD – Sultana and Monson Storm Water Project

The Sultana Community Services District (SCSD) provides water service to the severely disadvantaged unincorporated communities of Sultana and Monson. The Project will include topographical surveys and a feasibility study of new storm water management infrastructure in both communities, including a storm water collection system and recharge basins. Depending on the study's recommendations and funded budget, construction and environmental documents will be prepared to the furthest extent possible so that future IRWM implementation funding (or funding from another source) can be sought. The Project aims to address the flooding that occurs during storm events in both communities and contribute to both communities' long-term water supply security by increasing local groundwater recharge.

MCWD – Water Storage Tank

The MCWD provides water services to the community of Malaga, a disadvantaged community. The proposed project is for the preliminary design, property appraisal, and preparation of CEQA documents necessary for the construction of a new water storage tank and booster pumping station. Overnight pumping of groundwater supply wells for storage in the water tank would result in a decrease in power costs associated with pumping. Water from the storage tank would be distributed to the conveyance system utilizing smaller booster pumps. The overall result would be a savings in energy costs. Additionally, the water storage tank would provide a backup supply in the event there would be temporary disruption of the existing groundwater supply wells.

MCWD – Conduct Pilot Study to Reduce EE at Selected Sources or the Wastewater Treatment Plant

The MCWD provides water and wastewater services to the community of Malaga, a disadvantaged community. The proposed project is for the investigation of selected sources of EC to the wastewater treatment plant and to review alternative technologies to remove the EC from the sanitary sewer system. This would result in a reduction in the mass of EC discharged to the wastewater treatment plant disposal ponds. The

proposed project would investigate recycling opportunities for the treated effluent. Additionally, the proposed project would also investigate alternative technologies to remove the water portion of the waste EC so that the salts can be disposed of in an economical manner. The deliverable would be a report identifying the basis for a full-scale implementation project for final design and construction.

Recommendation of the KBWA Project Review Panel

The Project Review Panel recommends the following two projects to be submitted to the PAC for award of Project Development Funds:

- East Orosi Community Services District – East Orosi Well and Pipeline Design and Environmental Documents Project
- Malaga County Water District (MCWD) – Replace Well 3 Project

Additionally, the Project Review Panel recommends submitting the Sultana Community Services District (SCSD) – Sultana and Monson Storm Water Project to the regional competitive pot for grant funding consideration.

Although the MCWD Replace Well 3 Project, MCWD Replace Well 5 Project, and the SCSD Sultana and Monson Storm Water Project tied at 16 points, after further evaluation, tie breaker points were awarded to each of the projects based on the following criteria:

1. No previously awarded IRWM funding,
2. Consistent participation in IRWM planning activities and meetings,
3. Voluntary annual Interested Party fee.

Based on the tie-break criteria, the MCWD projects were awarded three tiebreaker points and SCSD was awarded one tiebreaker point. Therefore, the MCWD Well 3 Project was recommended for Kings Basin Water Authority (KBWA) Project Development funding and the SCSD Sultana and Monson Storm Water Project was recommended to be submitted to the regional competitive pot for grant funding consideration. The MCWD Well 3 Project was selected over the MCWD Replace Well 5 Project due to its central location to the community. Project scores are found in the following Table.

KBWA Project Review Panel's Application Scores

Rank	Score	Sponsor	Project Title	Grant Request	Non-State Cost Share	Recommended Funding
1	20	East Orosi Community Services District	East Orosi Well and Pipeline Design and Environmental Documents Project	\$159,144	\$0	\$159,144
2	19	Malaga County Water District	Replace Well 3	\$84,900	\$0	\$90,856
3	19	Malaga County Water District	Replace Well 5	\$80,900	\$0	\$0
4*	17	Sultana Community Services District	Sultana and Monson Storm Water Project	\$250,000	\$0	\$0
5	14.25	Malaga County Water District	Water Storage Tank	\$84,900	\$0	\$0
6	13.25	Malaga County Water District	Conduct Pilot Study to Reduce EC at Selected Sources or the WWTP	\$248,000	\$0	\$0
Total				\$907,844	\$0	\$250,000
<p>*The Sultana Community Services District Storm Water Project will be submitted to the Tulare-Kern Funding Area regional competitive pot for funding consideration.</p> <p>Note: The MCWD Well 3 Project, MCWD Well 5 Project and SCSD Storm Water Project tied at 16 points. Three tiebreaker points were awarded to the MCWD projects bringing them to a final score of 19 and one additional point was awarded to the SCSD Project bringing its final score to 17.</p>						

Next Steps

The recommendations of the Project Review Panel will be presented to the KBWA Advisory Committee and Board of Directors. If approved by the Advisory Committee and Board of Directors, the EOCSD and MCWD projects will be submitted to the PAC for final consideration in August 2019. The SCSD project will also be submitted to the PAC for funding consideration under the regional competitive pot in August 2019.