

TITLE PAGE

**NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
SOUTH SYSTEM MASTER CONTROL PROJECT**

Lodi, California

Submitted July 31, 2018

Responding to Funding Opportunity Announcement No. BOR-DO-18-F009
WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2018

Applicant:

NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
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South System Master Control Project

Grant Application

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I. Technical Proposal

A. Executive Summary

July 30, 2018

NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
LODI, SAN JOAQUIN COUNTY, CALIFORNIA

The South System Master Control Project (Project) involves work to procure and implement a master control system plus final design and construction of a key water measurement facility to enable North San Joaquin Water Conservation District (NSJWCD) to better control and measure water deliveries throughout its South Distribution System. The Project includes final preparation of master control system procurement documents, installation of the master control system equipment and software (with operator training), and final design and construction of a remotely monitored real-time water meter at the end of the South System Pipeline. The master control system and meter will allow NSJWCD to better control and measure water deliveries throughout its South Distribution System. The new control system and remote telemetry unit (RTU) equipped meter would work with the RTU equipped pump station, and the automated valves and meters proposed in the South System Branch Automation Project (NSJWCD's other FY-2018 small-scale grant application), to facilitate automated operation of the South Distribution System from a remote operation control center. Wireless communications between the control center, flow meters, valves, and the programmable controller at the pump station will allow diversion rates to be automatically tailored to match real-time system demands using a Variable Frequency Drive. These improvements will reduce operational losses and increase operational efficiency, making it more economical for the district to deliver surface water. The Project will take 10 months to complete and could be finalized by the end of 2019. The proposed project is not located on a Federal facility.

B. Background Data

NSJWCD is a special district organized to address groundwater overdraft by delivering surface water to irrigated farmland in-lieu of groundwater pumped from private wells. NSJWCD has a surface water right to divert 20,000 acre-feet per year from the Mokelumne River known as Permit 10477. Permit 10477 is an appropriative water right issued by the California State Water Resources Control Board. Because Permit 10477 is "junior" to other appropriative water rights on the Mokelumne River, water is not available under this water right in all year types (approximately 50%).

NSJWCD has five approved points of diversion and related conveyance systems for its water right. Four of these points of diversion are used to deliver water to agricultural lands for irrigation and groundwater recharge, and the fifth point of diversion is used to deliver water to the City of Lodi for municipal purposes. Of the four points of diversion that are used to deliver water for irrigation and groundwater recharge, the largest is the South System, relevant here.

The South System consists of a pump station with a state-of-the-art fish screen, located on the south bank of the Mokelumne River 5-miles east of Lodi, and a concrete pipeline and

open-channel system that convey water south. (See Figure 2.) Landowners receive water from 103 existing turnouts located on the pipeline segment or through a number of diversion structures located in the open channel portion of the system. These lands are currently developed in vineyards and orchards. Winegrapes are the predominant crop (75% of acreage), followed by cherries, walnuts and almonds. Almost all of this acreage is irrigated with drip irrigation (vineyards and tree crops) or micro-sprinkler (cherries and nuts). There are only a few hundred acres that are still flood irrigated.

NSJWCD has previously received funding from Reclamation to assist in the construction of two of its other diversion facilities. In 2006, NSJWCD received a Cal-Fed Grant to install a new pump station for a pilot groundwater recharge project (Project # R10AC20574). In 2011, the district received a WaterSMART Grant for its Tracy Lake Groundwater Recharge Project (Project # R11AP20096). In 2017, NSJWCD was awarded a \$1 million grant under Funding Opportunity Announcement No. BOR-MP-17-F002 (along with a \$3 million state grant) in order to reconstruct the South System Pipeline and install new grower-turnouts. However, a landowner ballot-proceeding required to impose assessments to pay for the approximately \$15 million in cost-share funding resulted in a “no” vote, meaning that the district was unable to move forward under the 2017 grant agreement with Reclamation.

C. Project Location

NSJWCD’s service area includes 150,000-acres located in northeastern San Joaquin County. (Figure 1.) The South System is located within NSJWCD’s service area. The South System’s proposed master control system would be located within the system operator’s headquarters. NSJWCD anticipates that the Stockton East Water District office at 6767 East Main Street in Stockton, CA. will be the system operator’s headquarters.

The South System begins at the pump station which is approximately 5 miles east of the City of Lodi, see Figure 2. The latitude and longitude of the proposed meter at the end of the South System pipeline is 38° 5'18.16"N, 121°12'20.77"W.

D. Technical Project Description

Problem and Needs: NSJWCD’s South System was constructed in the 1960s and first began delivering water from the Mokelumne River to landowners for irrigation in 1966. Diversions into the South System peaked in the 1980’s at approximately 5,775 AF per year. However, diversions began dwindling after the drought of 1988-92 due to two main factors: (1) a majority of growers switched to drip irrigation systems that rely on pressurized pumped groundwater; and (2) system inefficiencies related to the pump station and pipeline have made the water expensive – costing almost \$100 an acre-foot to pump and deliver. As a result, agricultural operations along the pipeline now depend almost exclusively on groundwater, which has led groundwater elevations in the underlying Eastern San Joaquin Groundwater Basin (ESJ Basin) to decline further each year. This project, along with related improvements to the South System, are designed to promote the use of surface water for irrigation in lieu of groundwater.

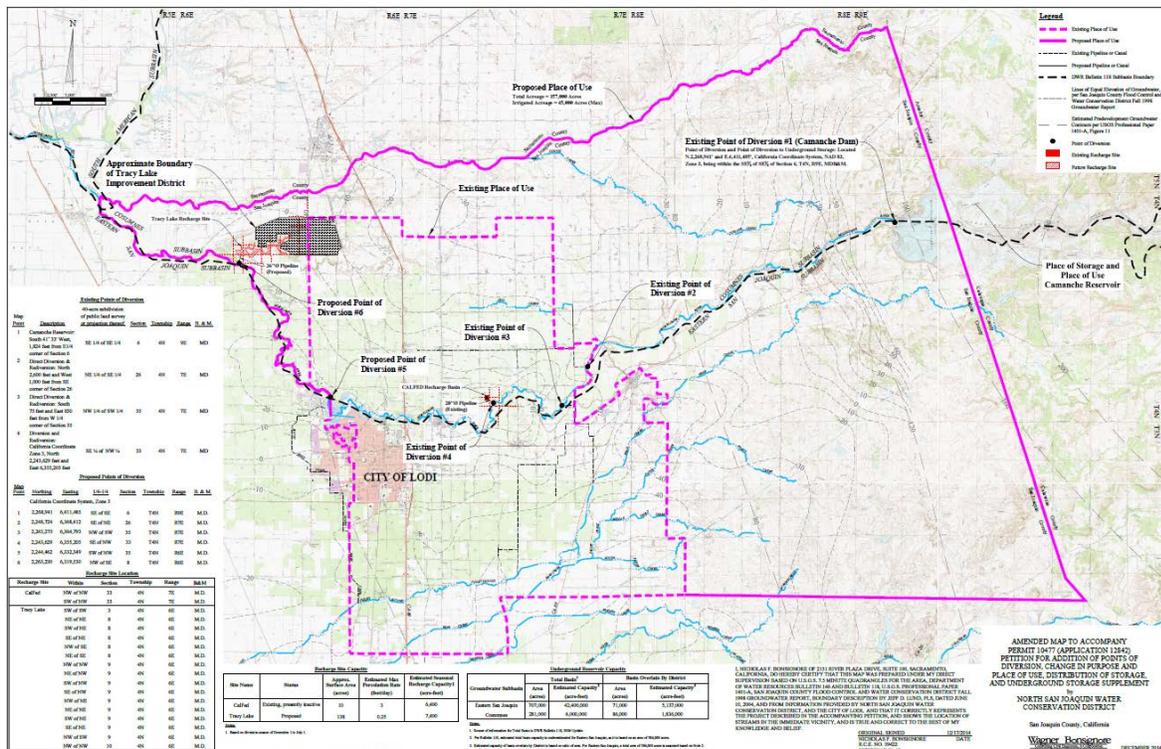


Figure 1. NSJWCD District Boundaries and Points of Diversion.

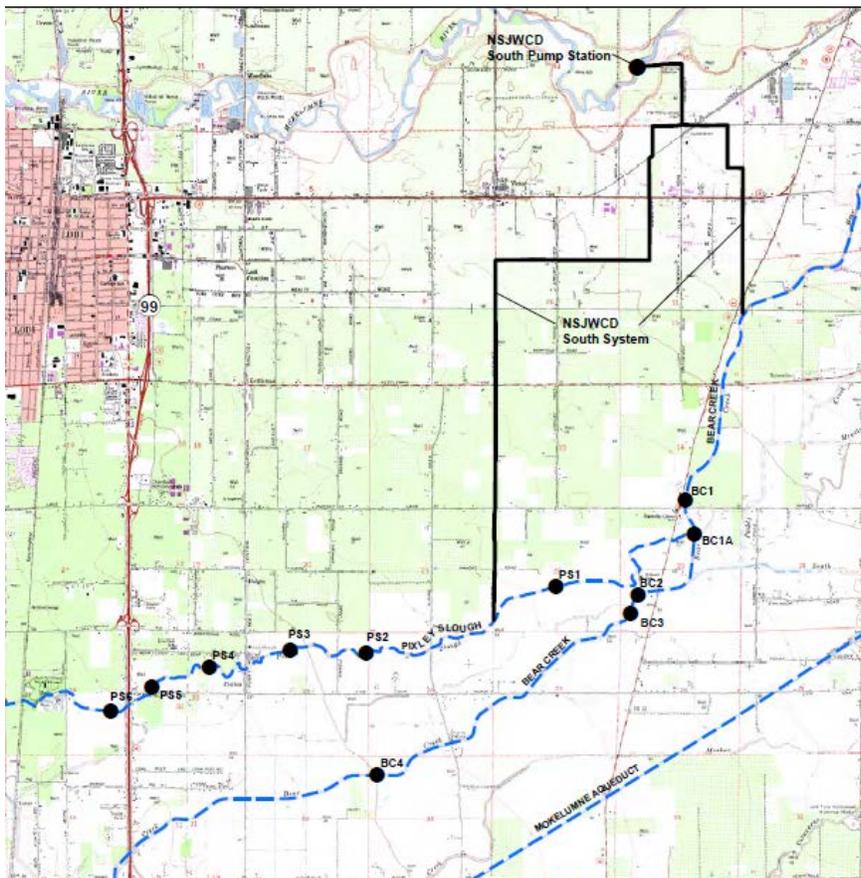


Figure 2. Diagram of South System Facilities.

The South System Pipeline begins at the pump station on the Mokelumne River and follows Tretheway Road South until it reaches a T-intersection at Brandt Road. A valve at the T-intersection of the main branch is used to direct water into the west branch or the east branch of the South System. (See Figure 2.) Another proposed project by the District involves installation of RTU-equipped automated valves and flow meters in the main branch that will control the amount of flow directed to each branch of the distribution system (South System Branch Automation Project). A master control system capable of remote system operation and an RTU-equipped flowmeter at the end of the pipeline are needed to avoid unmonitored and excessive spills that historically flowed into Pixley Slough. Modern water ordering and tracking systems are needed at the operations control center along with the SCADA and telemetry systems that link with the flow meters to provide precise monitoring and control of the automated pump station and valve. Without modern water controls the District would continue to have inability to match water supply to demands, which causes high operational water losses.

How the Project Addresses Problems and Needs: The Project includes: (1) final design and specifications for the master control center; (2) installation of the equipment and software needed to remotely monitor and operate the system; (3) final design and construction of a remotely monitored water measurement system at the end of the pipeline. The water measurement system includes: (a) a water meter in the pipeline to measure, record, and transmit flow in real time to the district operator; (b) the access structure for installation and maintenance; (c) a solar panel; and (d) an RTU. With these features, the South System's operation center can continuously monitor and control pumps and gates to better match customers' real time demand changes. With these improvements, water that was previously spilled at the beginning and end of the system will instead be delivered for irrigation, which reduces operational cost as well as groundwater use in the over-drafted ESJ Basin.

Identify Expected Outcomes: The Project, in conjunction with the other efficiency improvement projects that are planned for the South System, will result in significant improvements to operational efficiency due to reduced energy use and water loss. The growers located adjacent to the pipeline will have greater incentive to receive surface water from the South System if the cost of water is similar to the cost of pumping from private wells. Therefore, as a result of planned efficiency improvements, NSJWCD anticipates that: (1) approximately 3,000 acres that are currently being irrigated with groundwater will be irrigated using NSJWCD's surface water right; (2) the District will partner with other water right holders to deliver water in years when its water right is not available; (3) increased surface water deliveries will reduce groundwater elevation decline, avoiding undesirable impacts for landowners; and (4) reduced groundwater elevation decline will assist the ESJ Basin in meeting required sustainability goals under a new California law, the Sustainable Groundwater Management Act (SGMA).

II. Evaluation Criteria

A. Project Benefits

1. Benefits to Water Delivery System

This project will help reduce the cost of delivering surface water to agricultural water users in the District by increasing operational efficiency and reducing system losses. The project will also ensure all surface water diverted is put to maximum beneficial use.

2. Improvements to Overall Water Supply Reliability

This project improves water supply reliability for surface water users by upgrading infrastructure that can be used as part of a conjunctive use program that will provide surface water for irrigation during wet years so that groundwater will be more-available in dry years when the District cannot divert surface water. The project also increases efficiency so that more of the surface water diverted can be used for irrigation deliveries.

3. Geographic Scope of Benefits (e.g., local, sub-basin, basin)

The proposed project will benefit both downstream water users and downstream aquatic ecosystems and species because the District will be able to match its diversions more-closely with system demands, increasing in-stream water availability when the project is not able to operate at full capacity. Furthermore, the project results in benefits to other groundwater users within the subbasin because it will reduce groundwater elevation decline, making it more energy efficient to pump groundwater when surface water is not available and less likely that individual wells will need to be re-drilled to a deeper depth. Lastly, the project benefits the entire groundwater basin – by improving sustainability in a portion of the basin, the District will make it more-likely that the entire basin will meet the sustainability goals set forth in SGMA.

4. Improvements to Collaboration and Information Sharing

By reducing the cost of delivering water through the South System, this project opens up new opportunities for NSJWCD to partner with other water users on the Mokelumne River and nearby watersheds in developing new groundwater recharge projects. When other water users have additional flows that can't be put to beneficial use, those water users can partner with NSJWCD to deliver surface water to landowners for in-lieu banking (i.e. a portion of the water delivered for in-lieu recharge can be extracted from the aquifer in future years). A demonstration-level version of this concept will be tested by the District in 2018. Further, increased automation will enable increase NSJWCD's ability to share real-time water use data from the South System with other stakeholders on the river.

5. Benefits to local sectors and economies (e.g., agriculture, environment, recreation, tourism)

This project has direct benefits to both agriculture and the local economies that rely on agriculture. Under SGMA, existing agricultural operations must reduce reliance on groundwater in order to meet sustainability goals. This project provides a cost-effective alternative to groundwater that will allow existing agricultural operations to assist the District in meeting groundwater sustainability goals without fallowing lands that are currently under production. By helping the District meet sustainability goals without large-

scale land fallowing, the project also helps local economies that rely on agricultural production. The downstream ecosystem and species benefits are described in II.A.3.

6. Coordination with NRCS in the area

By reducing the cost of surface water, the Project will increase incentive for farmers to invest in the on-farm booster pumps and flow meters necessary to receive surface water (NSJWCD will require all turnouts be equipped with a meter to receive deliveries). NRCS funding could be used to assist landowners in acquiring and installing flow meters, booster pumps, and related infrastructure. The majority of the irrigated acres served by the NSJWCD South System are drip-irrigated vineyards or cherry or nut orchards irrigated with micro-sprinklers. Many of the landowners within the District have previously utilized NRCS funding programs, such as EQUIP, when installing these low-volume irrigation systems.

B. Planning Efforts to Support the Project

1. Describe how your project is supported by an existing planning effort.

- a. Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?

Improvements to the South System Pump Station and Conveyance Pipeline have been in the planning stages for many years as a method of addressing groundwater overdraft and as a project that would foster increased collaboration on the utilization of Mokelumne River supplies. The potential regional benefits associated with retrofitting the South System are specifically discussed in two regional planning documents: (1) the 2015 Mokelumne Watershed Interregional Sustainability Evaluation Program (MokeWISE); and (2) the 2014 Eastern San Joaquin Integrated Regional Water Management Plan (ESJ IRWM).

- b. Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measurements.

When the District was in the early planning stages for how to retrofit the South System, the MokeWISE Program Final Report identified improvements to the South System as a high-priority project because greater utilization of the South System in wetter years will optimize water resources management on the Mokelumne River. The anticipated benefits from the project are discussed on in Appendix 4a of the MokeWISE Final Report.

NSJWCD's plans to modernize the South System were also identified in Section 10.3.15 of the 2014 Eastern San Joaquin Integrated Regional Water Management Plan ("ESJ IRWM") as a priority project that promotes several key Integrated Strategies including: (A) Reduce Water Demand (reduces conveyance losses so that more water is applied on-farm); (B) Improve Operational Efficiency and Transfers (provides enhanced opportunities to convey surface water throughout the region); (C) Increase Water Supply (promotes the conjunctive use of surface water in years when it is available, reducing demand on groundwater during wet years so that more is available during dry years); (D) Resources Stewardship (increases water supply reliability to agricultural lands, helping to protect against future losses of agricultural land caused by lack of water supply reliability); (E)

Resources Stewardship (reduces cost of delivery for surface water, encouraging more widespread use by agricultural customers).

C. Project Implementation

1. Implementation Schedule for Project

Figure 3 shows the anticipated implementation schedule for each state of the Project. The District anticipates that the project will take approximately 10-months to complete.

		2018			2019											
Month		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
Grant Award / Agreement																
	Finalize Award and Grant Agreement															
Final Design Drawings and Specifications																
	Complete 100% Design Drawings															
	Complete 100% Specifications															
Permitting and Environmental Compliance																
	Prepare Necessary NEPA Documentation															
	Prepare Necessary CEQA Documentation															
Project Implementation / Materials Acquisition																
	Solicit Bids															
	Order Materials															
	Construction															
	Operator Training															

Figure 3. Implementation Schedule.

2. Required Permits

As described in greater detail in Section V of this application, no permits will be required and a Categorical Exemption/ Categorical Exclusion from CEQA/NEPA will apply.

3. Engineering or Design Work Performed in Support of Proposed Project

Provost and Pritchard Consulting Engineers (P&P) reviewed the South System as-built drawings, visited and made measurements in key locations of the pipeline, and prepared a 30% design of the flow meter.

4. Describe any new policies or administrative actions required to implement the project.

No new policies or administrative actions are required to implement the project.

5. Describe how the environmental compliance estimate was developed. Have the compliance costs been discussed with the local Reclamation office?

See Sections IV and V, the District does not anticipate environmental compliance costs.

D. Nexus to Reclamation

1. Is the proposed project connected to a Reclamation project or activity? If so, how?

Please consider the following:

- a. Does the applicant receive Reclamation project water?

No, applicant does not receive Reclamation project water.

- b. Is the project on Reclamation project lands or involving Reclamation facilities?

No, the project does not involve any Reclamation project lands or facilities.

- c. Is the project in the same basin as a Reclamation project or activity?

Yes, the Mokelumne River is a tributary of the San Joaquin River.

- d. Will the proposed work contribute water to a basin where a Reclamation project is located?

Yes, it will contribute more surface water in the same basin as the New Melones Project.

- e. Will the project benefit any tribe(s)?

NSJWCD is not aware of any tribes that will benefit from the Project.

E. Department of the Interior Priorities

1. *Creating a conservation stewardship legacy second only to Teddy Roosevelt*

- a. Utilize science to identify best practices to manage land and water resources and adapt to changes in the environment;

The District is relying on technological advancements, such as SCADA systems, RTUs, flow meters, wireless control systems, and advanced water control software to better measure its water use, closely tailor water diversions from the Mokelumne River to landowner demands, manage water data, and reduce energy consumption. Department of the Interior priorities 1b – 1g are not applicable to the proposed project.

2. *Utilizing our natural resources*

- a. Ensure American Energy is available to meet our security and economic needs;

The project not only reduces the amount of energy consumption per-acre-foot of water that is delivered to landowners from the South System, it also reduces reliance on private groundwater wells for irrigation, which are very energy-intensive to operate. Department of the Interior priorities 2b – 2d are not applicable to the proposed project.

3. Restoring trust with local communities

- a. Be a better neighbor with those closest to our resources by improving dialogue and relationships with persons and entities bordering our lands;

This project allows NSJWCD to use the water it diverts more efficiently, which results in less reliance on groundwater for every additional acre-foot of water delivered. There is a growing potential for conflicts related to groundwater shortages due to restrictions that must be imposed on groundwater use under SGMA. Replacing groundwater pumping with surface water deliveries takes pressure off the aquifer and reduces tensions between those that share the aquifer.

- b. Expand the lines of communication with Governors, state natural resource offices, Fish and Wildlife offices, water authorities, county commissioners, Tribes, and local communities.

When this project is complete, the reduced water delivery costs will create opportunities for NSJWCD and its landowners to collaborate with state and local agencies on projects to bring surface water from other regions to NSJWCD for groundwater banking projects through direct or in-lieu recharge. Cooperation on the development of these projects will expand the lines of communication.

4. Striking a regulatory balance

Department of the Interior priorities 4a – 4b are not applicable to the proposed project.

5. Modernizing our infrastructure

Department of the Interior priorities 5a – 5c are not applicable to the proposed project.

III. Project Budget

A. Funding Plan and Letters of Commitment

NSJWCD anticipates that total project costs for the South System Master Control Project will be \$180,300. The District is requesting \$75,000 in federal funding and will provide the required \$105,300 in matching funds from NSJWCD's budget reserves. The District will not receive any donations and is not including any in-kind costs incurred prior to the project start date as part of overall project costs. No other funding for this project is being requested from other federal partners. NSJWCD's cost share for this project is not contingent on pending funding requests.

B. Budget Proposal

FUNDING SOURCES	AMOUNT
Non Federal Entites	
1. North San Joaquin Water Conservation District	\$105,300
Non-Federal Subtotal	\$105,300
Other Federal Subtotal	\$0
REQUESTED RECLAMATION FUNDING	\$75,000

Table 1. Summary of Non-Federal and Federal Funding Sources.

Budget Item	Compuation		Quantity Type	TOTAL Cost
	\$/Unit	Quantity		
Equipment				
Sontek Pipe IQ Accoustic Doppler Flow Sensor	\$ 8,000.00	1	EA	\$ 8,000.00
48" Concrete Manhole	\$ 13,000.00	1	EA	\$ 13,000.00
Supplies and Materials				
Fresno Series 2500 Alfalfa Valve	\$ 1,000.00	1	EA	\$ 1,000.00
Contractual/Construction				
District Secretary (Interim and Final Reports)	\$ 40.00	20	LS	\$ 800.00
Legal Consultant (NEPA/NHPA Compliance, Contract Review)	\$ 275.00	10	LS	\$ 2,750.00
District Engineer/Manager (Construction Oversight)	\$ 150.00	5	LS	\$ 750.00
Engineering Consultant (Design, Construction Oversight, etc)	\$ 14,000.00	1	LS	\$ 14,000.00
SCADA Integration Contractor (Labor & Materials)	\$ 90,000.00	1	LS	\$ 90,000.00
Construction Labor	\$ 50,000.00	1	LS	\$ 50,000.00
Total Estimated Project Costs				\$ 180,300.00

Table 2. Budget Proposal.

C. Budget Narrative

Table 2 contains an itemized breakdown of all of the project costs that are anticipated. The District does not propose to contribute in-kind contributions or donations in order to meet its cost-share requirement.

Salaries & Wages: NSJWCD does not have any employees. Instead, it has contracts with independent contractors for legal services, district engineer/manager services, and district secretary services. Table 2 contains estimated cost breakdown of NSJWCD's anticipated labor costs under Contractual/Construction. The district's secretary will perform all required grant reporting, she provides services at \$40/hour and 20 hours are anticipated for her work. The district's manager/engineer will work with the construction contractor in preparation for installation of the project equipment and to learn the programming of the installed equipment for district operation after installation. His services are \$150/hour and 5 hours are estimated for this work. The district's general counsel will need to review and advise the district board regarding the grant contract, the construction/ installation contract, project reporting and in preparing necessary district resolutions. Additionally, the district's general counsel will need to coordinate with BOR staff to complete NEPA review of the project (which is CEQA Exempt). Due to the location and character of the Project, environmental compliance and permitting costs are anticipated to be very low. The general counsel provides services at \$275/hour and 10 hours are estimated for this work.

Equipment/ Supplies & Materials: Equipment (\$21,000), supplies and materials (\$1,000), and construction labor costs (\$50,000) were all determined by consulting engineer P&P after obtaining quotes from suppliers of the various components and engaging in discussions with construction contractors the district has found to be responsible and responsive, along with a review of construction bid databases for the various items to be constructed. Applicant can provide additional supporting documentation for these costs once formal bids have been received.

Contractual & Construction: The professional services for engineering consultant (\$14,000) represent P&P's estimated costs for producing final design drawings and performing construction oversight. Construction oversight includes: notifying Underground Service Alert, potholing existing pipelines for exact locations and depths, setting construction stakes, collecting additional survey information for final design and construction, and periodic reviews of construction by the engineer. The costs associated with hiring a contractor to complete acquisition, installation, and programming of equipment required for SCADA integration (\$90,000) were developed by P&P through inquiries to eligible contractors. These costs include the equipment, software, programming, and training for the water monitoring and control systems.

IV. Environmental and Cultural Resources Compliance

- 1. Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Please briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Please also explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.**

The Project involves work at the District operations control center in a city and adding a meter. Any soil disturbance from the South System Master Control Project will be limited to highly disturbed areas within a city and the existing pipeline right of way. There are no anticipated impacts to air, water, or animal habitat in the project area.

- 2. Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?**

An Initial Study/Mitigated Negative Declaration prepared to analyze a related project occurring in the same area as the Project analyzes the potential impacts to threatened or endangered species and designated critical habitat in the project area. Based on a Biological Assessment, it was determined that likelihood of listed, candidate, and other special-status species in the project area is low. Any potential impacts that would occur will be avoided by timing construction/ installation to avoid sensitive times of year such as nesting season. Based on the low-likelihood of occurrence of listed, candidate, and special-status species, and the fact the project involves installation of small-scale equipment within a pre-existing facility, is unlikely that the work will have any impact.

- 3. Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as “Waters of the United States?” If so, please describe and estimate any impacts the proposed project may have.**

No work proposed under will take place in Waters of the United States.

- 4. When was the water delivery system constructed?**

The South System has been constructed in phases. The initial phase of the project, which included the original pump station and cast-in-place concrete conveyance system, was first constructed in the early-1960s and has been modified over time. The district will be adding a meter inside the existing cast-in-place concrete pipe conveyance system.

- 5. Will the proposed project result in any modification of or effects to, individual features of an irrigation system (e.g., headgates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.**

The proposed project involves adding a meter in a pipeline that was constructed in the early 1960's. No headgates, canals, or flumes or pipelines will be modified.

- 6. Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.**

NSJWCD's boundaries contain over 150,000 acres of land within San Joaquin County. The District has not undertaken a survey of all cultural resources located within its service area. However, as is discussed below, there are no known archeological sites or cultural resources in the project area.

- 7. Are there any known archeological sites in the proposed project area?**

A cultural resources report was prepared to analyze potential impacts of a larger, related project on cultural resources in the project area. That report determined that there are no archeological sites or cultural resources located in the proposed project area. Additionally, because the project will be taking place in an area that was already been subject to disturbance when the pipeline was installed, any anticipated impacts would have already been subject to evaluation and mitigation.

- 8. Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?**

The proposed project will not have a disproportionately high and adverse effect on low income or minority populations.

9. Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?

The proposed project will not limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands.

10. Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?

The proposed project will not contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area.

V. Required Permits or Approvals

No permits or approvals are required for this project because it involves installation of pre-fabricated equipment in an existing pipeline easement and in an urban area. Earth disturbance will occur entirely within the existing pipeline easement. There are no potential impacts to endangered species and no contact with waters of the United States. Because minimal soil disturbance is required, no grading permit or other local approval is required.

VI. Letters of Project Support

NSJWCD received the following letters of support for a related grant application involving efficiency improvements to the South System. The support expressed in these letters applies equally to the efficiency improvements contemplated by the present project. These letters of support are included in Attachments A and B.

#	Agency / Legislative	Landowners
1	Amador Water Agency	Robert Caffese
2	Assmb. Eggman	Diane J. Hirasuna
3	Byron-Bethany Irrigation District	John Bava & Sons, Inc.
4	Banta-Carbona Irrigation District	Kautz Farms
5	Calaveras County Water District	Go Bears Ranch, LLC
6	California Sportfishing Protection Alliance	Larry D. Miller
7	City of Lodi	Ron and Michiko Oye
8	East Bay Municipal Utility District	Joseph Petersen
9	Sen. Galgiani	John Podesta Farms
10	South Delta Water Agency	Quashnick Farms
11	Stockton East Water District	TKH, LLC
12	Westside Irrigation District	Cocoa Farms, LP
13	Lodi District Grape Growers Association	Cotta-Ferreira Custom Farming
14	San Joaquin County Farm Bureau	
15	San Joaquin County	

VII. Official Resolution

The NSJWCD Resolution approving this grant application is provided as Attachment C.

Attachment A

Letters of Support Local Agencies and Legislative Representatives

A Public Agency



12800 Ridge Road, Sutter Creek, CA 95685-9630 ▪ www.amadorwater.org ▪ OFFICE: (209) 223-3018
FAX: (209) 257-5281

May 2, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water
Conservation District for the South Pump Station Automation Project

Dear Mr. Darrel Olson:

The Amador Water Agency provides treated water to all five cities in Amador County and to Central Amador along the Highway 88 corridor and 100% of this water is diverted from the Mokelumne River. Efficient and effective use of water supplies from the Mokelumne River and local ground water sources are critical to meeting water supply demands.

The purpose of this letter is to support the North San Joaquin Water Conservation District's grant application for funds to help pay for the South Pump Station Automation Project. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,

A handwritten signature in blue ink that reads "Gene Mancebo". The signature is fluid and cursive, with a long horizontal stroke at the end.

Gene Mancebo
General Manager

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0013
(916) 319-2013
FAX (916) 319-2113

DISTRICT OFFICE
31 EAST CHANNEL STREET, SUITE 306
STOCKTON, CA 95202
(209) 948-7479
FAX (209) 465-5058

Assembly California Legislature



COMMITTEES
APPROPRIATIONS
BUSINESS AND PROFESSIONS
NATURAL RESOURCES
UTILITIES AND ENERGY

SUSAN TALAMANTES EGGMAN, PH.D.
CHAIR, ASSEMBLY COMMITTEE ON ACCOUNTABILITY AND ADMINISTRATIVE REVIEW
ASSEMBLYMEMBER, THIRTEENTH DISTRICT

May 2, 2018

Darren Olson, Grants Management Specialist
Bureau of Reclamation
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Dear Mr. Olson:

I am writing to express my support for the North San Joaquin Water Conservation District's application for funds to help pay for the South Pump Station Automation Project on the south side of the Mokelumne River, east of Lodi, California.

As you may know, the South Pump system delivered Mokelumne River water to agricultural lands in northern San Joaquin County. It has not been operated since the 2012-2015 drought because the current system is very inefficient. The North San Joaquin Water Conservation District has set aside \$1.75 million to rebuild the system with water efficiency features that will allow the District to deliver surface water at a lower cost, reduce reliance on groundwater, protect fishery flows and improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin. A Water and Energy Efficiency grant from the Bureau of Reclamation would allow the District to complete this important project.

Thank you for considering the District's application. If you have questions, feel free to contact my District Director, Anne Baird, at 209-948-7479.

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan Talamantes Eggman", written over a circular stamp.

SUSAN TALAMANTES EGGMAN
Assemblymember, 13th District



May 2, 2018

Mr. Darren Olson, MS 84-27814

Bureau of Reclamation

P.O. Box 25007

Denver, CO 80225

7995 Bruns Road
Byron, California 94514-1625

Telephone
(209) 835-0375
Fax
(209) 835-2869

Subject: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project – Letter of Support.

**General Manager
Secretary**
Rick Gilmore

The purpose of this letter is to advise the Bureau of Reclamation of the Byron Bethany Irrigation District's (BBID) support for the North San Joaquin Water Conservation District's (NSJWCD or District) grant application for funds to help pay for the South Pump Station Automation Project. BBID is a multi-county special district serving parts of Alameda, Contra Costa and San Joaquin counties across 47 square miles and 30,000 acres. BBID is also a CVP Contractor.

With respect to NSJWCD's project, adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow NSJWCD to deliver surface water at a lower cost, thus reducing landowner reliance on groundwater and improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

Also, NSJWCD has worked collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the District in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Very Truly Yours,

A handwritten signature in blue ink, appearing to read "Rick Gilmore", is written over a large, stylized blue scribble.

Rick Gilmore
General Manager

OFFICERS

James M. McLeod
President

Keith E. Robertson
Vice-President

Margaret G. Howe
Secretary-Treasurer
Assessor-Collector

David K. Weisenberger
General Manager



DIRECTORS

James M. McLeod
Keith E. Robertson
Glenn S. Robertson
James M. Thoming
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of
Herum\Crabtree\Suntag

3514 West Lehman Road • Tracy, California 95304
Phone (209) 835-4670 • Fax (209) 835-2009

May 1, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Letter of Support for Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olsen,

The purpose of this letter is to support for the North San Joaquin Water Conservation District’s grant application for funds to help pay for the South Pump Station Automation Project. The Banta-Carbona Irrigation District (BCID) serves about 17,000 acres of agricultural land within San Joaquin County in the southern Sacramento-San Joaquin Delta. The BCID has been using pump station automation for the past thirteen years and recommends that other districts invest in it as well. The automation systems are robust and are reliable for several years with minimal maintenance. Pump station automation allows for greater flexibility in providing water to growers in a timely manner hence decreasing waste through over irrigation or through operational spills. By eliminating or decreasing those losses more water remains in the river system to help meet environmental purposes. It also decreases energy use as less water is pumped.

Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San

Joaquin Subbasin. By using less groundwater this also reduces energy use as the depth to water is great. The existing surface water supply requires much less energy than the groundwater wells.

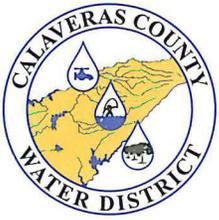
Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,

A handwritten signature in blue ink that reads "David Weisenberger". The signature is fluid and cursive, with a prominent loop at the end of the last name.

David Weisenberger
General Manager



CALAVERAS COUNTY WATER DISTRICT

120 Toma Court • P O Box 846 • San Andreas, CA 95249 • (209) 754-3543

May 2, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olsen:

On behalf of the Calaveras County Water District (CCWD), I am writing in support of the grant proposal for the South Pump Station Automation Project submitted by the Northern San Joaquin Water Conservation District (NSJWCD). CCWD is a county-wide water district that provides agricultural supplies and water service to approximately 21,000 residents throughout Calaveras County. Calaveras County is located in the heart of the Sierra Nevada, east of the Northern San Joaquin Valley between Lake Tahoe and Yosemite National Park, spanning more than 1,000 square miles of three watersheds of the Sacramento/San Joaquin Bay-Delta, including the upper reaches of the Mokelumne, Calaveras and Stanislaus Rivers, from an elevation range of more than 8,000 feet at mountain crest to 200 feet in the foothills near the Central Valley floor. CCWD also manages and supplies municipal water from a portion of the Eastern San Joaquin groundwater subbasin extending into Calaveras County.

NSJWCD's South Pump Station Automation Project will help maximize the local use of Mokelumne River supplies. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow NSJWCD to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, reducing landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin groundwater subbasin. CCWD is a participating groundwater sustainability agency within the Eastern San Joaquin groundwater subbasin and there is a mutual interest with NSJWCD in alleviating the existing overdraft conditions over time.

Further, NSJWCD works collaboratively with other water agencies on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

I encourage you to give favorable consideration of the application from NSJWD. If you have any questions or would like more information about our support for the project, please do not hesitate to contact me at (209) 754-3094 or peterm@ccwd.org.

CALAVERAS COUNTY WATER DISTRICT



Peter Martin
Manager of Water Resources



California Sportfishing Protection Alliance

"An Advocate for Fisheries, Habitat and Water Quality"

Chris Shutes, Water Rights Advocate

1608 Francisco St., Berkeley, CA 94703

Tel: (510) 421-2405 E-mail: blancapaloma@msn.com

<http://calsport.org/news/>

May 6, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olsen:

The California Sportfishing Protection Alliance (CSPA) respectfully submits this letter in support of North San Joaquin Water Conservation District's application for a grant to help pay for its South Pump Station Automation Project. The grant will allow the District to improve its water delivery efficiency, reducing costs and allowing it to more fully exercise its water rights to reduce groundwater overdraft.

CSPA is a statewide organization that seeks to improve conditions for fisheries and recreational fishing, and is a longstanding advocate for the fisheries of the lower Mokelumne River. Over the past several years, CSPA has been pleased to see the District's leadership become a more active and collaborative partner with other stakeholders on the river. The District's planned infrastructure upgrades, including new metering and remote telemetry, will contribute to a more effective management of the lower Mokelumne River. In addition, these improvements to the District's diversion works will provide an example of modernization that CSPA supports for water users statewide.

Thank you for considering the application of the North San Joaquin Water Conservation District and this letter of support.

Respectfully submitted,

Chris Shutes

Water Rights Advocate

California Sportfishing Protection Alliance

CITY COUNCIL

ALAN NAKANISHI, Mayor
JOANNE MOUNCE,
Mayor Pro Tempore
MARK CHANDLER
BOB JOHNSON
DOUG KUEHNE

CITY OF LODI

CITY HALL, 221 WEST PINE STREET
P.O. BOX 3006
LODI, CALIFORNIA 95241-1910
(209) 333-6702 / FAX (209) 333-6807
www.lodi.gov cityclerk@lodi.gov

STEPHEN SCHWABAUER
City Manager

JENNIFER M. FERRAILOLO
City Clerk

JANICE D. MAGDICH
City Attorney

May 1, 2018

Bureau of Reclamation
Attn: Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

The City of Lodi is one of a number of users of the aquifer we share with the North San Joaquin Water Conservation District (NSJWCD). We have been a leader in increasing sustainable yield of surface water in the aquifer, purchasing over 7,000 acre feet of surface water a year and constructing a \$32 million surface water treatment plant.

The purpose of this letter is to express support for the NSJWCD's grant application for funds to help pay for the South Pump Station Automation Project. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin sub basin.

Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

We are encouraged to see NSJWCD take an active role in continuing that effort and fully support its efforts to create a more sustainable groundwater aquifer in our region. Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,



Alan Nakanishi
Mayor, City of Lodi

May 2, 2018

United States Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olson:

The East Bay Municipal Utility District (EBMUD) is a public utility that provides water to 1.4 million customers in the East San Francisco Bay Area. EBMUD's main water supply is Mokelumne River water from its Pardee and Camanche Reservoirs. EBMUD also partners with agencies in San Joaquin County on projects related to groundwater banking, watershed protection, and managing fishery resources in the Mokelumne River.

The purpose of this letter is to express EBMUD's support for the North San Joaquin Water Conservation District (District)'s grant application, which would provide funds for the South Pump Station Automation Project. Adding a variable frequency drive, new meters, and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

In addition, EBMUD and the District are partners on several projects in San Joaquin County. The agencies work with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the District in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station. EBMUD and the District are also partnering on a pilot groundwater banking project in San Joaquin County. Improvements to the South Pump Station could enable future groundwater banking projects in this critically over-drafted basin.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,



Michael T. Tognolini
Manager of Water Supply Improvements

STATE CAPITOL
ROOM 5097
SACRAMENTO, CA 95814
TEL (916) 651-4005
FAX (916) 651-4905

STOCKTON DISTRICT OFFICE
31 EAST CHANNEL STREET
SUITE 440
STOCKTON, CA 95202
TEL (209) 948-7930
FAX (209) 948-7993

MODESTO DISTRICT OFFICE
1010 10TH STREET
SUITE 5800
MODESTO, CA 95354
TEL (209) 576-6273
FAX (209) 576-6277

California State Senate

SENATOR
CATHLEEN GALGIANI
FIFTH SENATE DISTRICT



STANDING COMMITTEES

AGRICULTURE
CHAIR

INVASIVE SPECIES
CHAIR

BUSINESS, PROFESSIONS &
ECONOMIC DEVELOPMENT

EDUCATION

GOVERNMENTAL
ORGANIZATION

INSURANCE, BANKING
& FINANCIAL INSTITUTIONS

May 01, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olson,

I am pleased to write to give my support to the North San Joaquin Water Conservation District's grant application for the South Pump Station Automation Project. My district is at the heart of California's water system, the Sacramento-San Joaquin Delta. Water efficiency is critical to our area and the entire state. This project is a good example of the extensive efforts by many of our water districts to operate more efficiently and conserve water.

Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Sub-basin.

Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

I believe the North San Joaquin Water Conservation District proposal demonstrates their ongoing commitment to improving water conservation and best practices. I strongly support their efforts and appreciate your thoughtful consideration of their grant application.

Sincerely,

A handwritten signature in blue ink that reads "Cathleen Galgiani".

Cathleen Galgiani
Senator, 5th District



SOUTH DELTA WATER AGENCY

1806 KETTLEMAN LANE SUITE L

LODI, CALIFORNIA 95242

TELEPHONE (209) 224-5854

FAX (209) 224-5887

E-MAIL Jherrlaw@aol.com

Directors:

Jerry Robinson, Chairman
Robert K. Ferguson, Vice-Chairman
Natalino Bacchetti
Jack Alvarez
Mary Hildebrand

Counsel & Manager:
John Herrick

May 1, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

South Delta Water Agency is statutorily mandated to protect the quality and quantity of the water in the channels of the southern Delta for beneficial uses on the surrounding lands. As part of our efforts we are involved in many county- and state-wide processes and efforts dealing with the protection of water rights and the allocation and use of water.

The purpose of this letter is to support for the North San Joaquin Water Conservation District's grant application for funds to help pay for the South Pump Station Automation Project. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Sub-basin.

Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support. Feel free to contact me if you have any questions.
Mr. Darren Olson

May 1, 2018
Page two

Very truly yours,

JOHN HERRICK



**STOCKTON
EAST WATER
DISTRICT**

PROVIDING SERVICE SINCE 1948
www.sewd.net

DIRECTORS

Richard Atkins
Division 1

Andrew Watkins
Division 2

Alvin Cortopassi
Division 3

Melvin Panizza
Vice President
Division 4

Paul Sanguinetti
Division 5

Loralee McGaughey
Division 6

Thomas McGurk
President
Division 7

STAFF

Scot A. Moody
General Manager

Michael D. Johnson
Assistant General Manager

LEGAL COUNSEL

Jeanne M. Zolezzi
General Counsel

Phone 209-948-0333
Fax 209-948-0423

E-mail sewd@sewd.net

6767 East Main Street
Stockton, CA 95215

Post Office Box 5157
Stockton, CA 95205

April 30, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

The Stockton East Water District provides surface water for both agricultural and urban uses. By providing surface water for agricultural irrigation, the District supports San Joaquin County's agricultural industry, which is the area's leading economic activity. SEWD also supplies wholesale treated surface water, which is retailed to Stockton area customers by the California Water Service Company, the City of Stockton, and San Joaquin County. Since 1978, the SEWD Drinking Water Treatment Plant has produced over a million acre-feet of water for urban use; enough to cover the City of Stockton's 56.5 square mile area over 25-feet deep in water.

The purpose of this letter is to support for the North San Joaquin Water Conservation District's grant application for funds to help pay for the South Pump Station Automation Project. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,

Scot A. Moody, General Manager
Stockton East Water District

THE WEST SIDE IRRIGATION DISTRICT

1320 N. Tracy Boulevard
P.O. Box 177
Tracy, California 95378-0177

DIRECTORS

Jack Alvarez
Stephen R. Serpa
Thomas Pereira
Randy Mattos

Telephone (209) 835-0503
Fax (209) 835-2702

May 2, 2018

Mr. Darren Olson, MS 84-27814

Bureau of Reclamation
P.O. Box 25007
Denver, CO 80225

Subject: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project – Letter of Support.

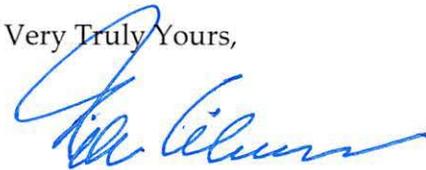
The purpose of this letter is to advise the Bureau of Reclamation of The West Side Irrigation District's (TWSID) support for the North San Joaquin Water Conservation District's (NSJWCD or District) grant application for funds to help pay for the South Pump Station Automation Project. TWSID is a special district serving 6,500 acres within San Joaquin County. TWSID is also a CVP Contractor.

With respect to NSJWCD's project, adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow NSJWCD to deliver surface water at a lower cost, thus reducing landowner reliance on groundwater and improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

Also, NSJWCD has worked collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the District in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Very Truly Yours,



Rick Gilmore
General Manager



Lodi District Grape Growers Association, Inc.

May 7, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olson,

On behalf of the Lodi District Grape Growers Association (LDGGA), I am writing in support of the North San Joaquin Water Conservation District's grant application for funds to help pay for the South Pump Station Automation Project.

The Lodi District Grape Growers Association (LDGGA) represents wine grape growers and associated businesses in California Crush District 11. Crush District 11 includes 110,000 acres of premium winegrapes northern San Joaquin County and southern Sacramento County. Approximately 44,000 of those acres are grown within the boundaries of the North San Joaquin Water Conservation District, accounting for about 70% of the irrigated farmland in the North San Joaquin's District.

Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

Also, the North San Joaquin Water Conservation District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support. Should you have any questions, please feel free to contact me at (209) 339-8246 or info@ldgga.org.

Sincerely,

Amy Blagg
LDGGA Executive Director



SAN JOAQUIN FARM BUREAU FEDERATION

MEETING TODAY'S CHALLENGES / PLANNING FOR TOMORROW

May 9, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

The San Joaquin Farm Bureau Federation is a private, not for profit, volunteer organization and San Joaquin County's oldest agriculture organization, dedicated to the advancement of agriculture for over 100 years. We are committed to the protection of the natural resources that our industry depends on, including land and water. As such, we are pleased to support this grant application to improve and preserve our resources.

The purpose of this letter is to support for the North San Joaquin Water Conservation District's grant application for funds to help pay for the South Pump Station Automation Project. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. This, in turn, will allow the District to deliver surface water at a lower cost, which will reduce landowner reliance on groundwater and help improve groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

Also, the District works collaboratively with other stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the district in this collaborative effort by providing additional flexibility and control for river diversions from the South Pump Station.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,

A handwritten signature in cursive script that reads "Jim Ferrari".

Jim Ferrari
President



SAN JOAQUIN
— COUNTY —
Greatness grows here.



Department of Public Works

Kris Balaji, Director of Public Works

Fritz Buchman, Deputy Director/Development

Michael Selling, Deputy Director/Engineering

Jim Stone, Deputy Director/Operations

Kristi Rhea, Manager of Strategic Initiatives

May 10, 2018

Bureau of Reclamation
Attention: Mr. Darren Olson
Post Office Box 25007, MS 84-27814
Denver, Colorado 80225

SUBJECT: WATER AND ENERGY EFFICIENCY GRANT APPLICATION BY NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT FOR THE SOUTH PUMP STATION AUTOMATION PROJECT

San Joaquin County Department of Public Works is pleased to support the North San Joaquin Water Conservation District's (District) grant application for the South Pump Station Automation Project. Adding a variable frequency drive, new meters and a remote telemetry unit to the South Pump Station will allow the District to improve the efficiency of its operations and reduce operational spills and system losses. The Project will allow the District to deliver surface water at a lower cost resulting in reduced landowner reliance on groundwater and improved groundwater overdraft conditions in the Eastern San Joaquin Subbasin.

The District has and will continue to work collaboratively with stakeholders on the Mokelumne River to help manage and protect fishery flows. An automated South Pump Station will help the District in this collaborative effort by providing additional flexibility and control for diversions from the South Pump Station.

San Joaquin County Department of Public Works is pleased to lend its support to the District's application and encourages your favorable consideration. Should you have any questions, please contact me at (209) 468-3089, or by email at bnakagawa@sjgov.org.

Sincerely,

A handwritten signature in black ink, appearing to read "Brandon W. Nakagawa".

BRANDON W. NAKAGAWA, P.E.
Water Resources Coordinator

BWN:rc
WR-18E019-R1

Attachment B

Landowner Letters of Support

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

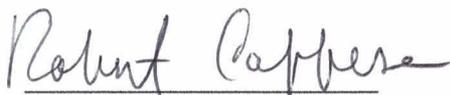
I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I plan to retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the District. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,


Robert Cappere

RECEIVED
MAY 08 2018

BY:

May 10, 2018

Bureau of Reclamation

ATTN: Mr. Darren Olsen
P.O. Box 25007, MS 84-27814
Denver, CO 80225

RE: **Water and Energy Efficiency Grant Application**
by North San Joaquin Water Conservation District
for the South Pump Station Automation Project

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System.

The purpose of this letter is to support the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the district to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the district's South System Pump Station are completed I plan retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the water district. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible.

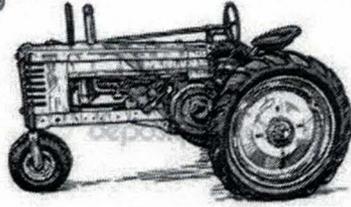
This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,


DIANE J. HIRASUNA

John Bava & Son, Inc.



April 28, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Dear Mr. Olsen,

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System, more specifically, along the Bear Creek canal.

The purpose of this letter is to show my support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I would be able to utilize my existing pump station that is on the canal to irrigate my ranch with the surface water provided by North San Joaquin.

Due to the slow, but steady (roughly 1 foot per year) decline in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce our dependence on groundwater. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support

If you should have any questions, feel free to contact me at petek@avantanut.com or on my cell phone-209-479-3865.

Sincerely,



Pete Katzakian
Vice President, John Bava and Son Inc.



KAUTZ FARMS

Diversified Farming

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I plan to retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the District. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,



**GO BEARS RANCH, LLC
6488 E. EIGHT MILE ROAD
STOCKTON, CALIFORNIA 95212**

May 3, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
PO Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

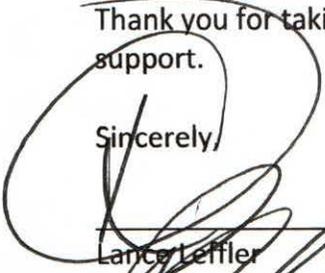
We are agricultural landowners who farm within North San Joaquin Water Conservation District's service area and our property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to our farm more efficient, and thus more affordable for our operation.

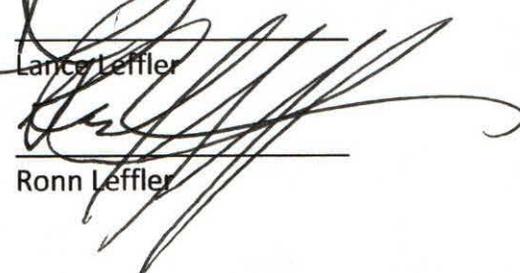
Once the improvements to the District's South Pump Station are completed we plan to retrofit our irrigation system with a booster pump and flow meter so that we can receive surface water deliveries from the District. We plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding our property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,


Lance Leffler


Ronn Leffler

RECEIVED
MAY 08 2018

BY:

May 10, 2018

Bureau of Reclamation

ATTN: Mr. Darren Olsen
P.O. Box 25007, MS 84-27814
Denver, CO 80225

RE: Water and Energy Efficiency Grant Application
by North San Joaquin Water Conservation District
for the South Pump Station Automation Project

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System.

The purpose of this letter is to support the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the district to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the district's South System Pump Station are completed I plan retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the water district. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible.

This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,



May 1, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
PO Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

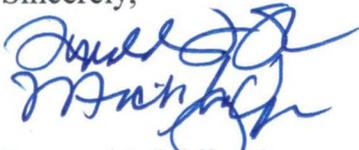
I live and farm within the area of North San Joaquin Water Conservation District. I attended a meeting not too long ago that discussed the need for the water district to upgrade its' South Pump Station to be more efficient. This requires adding a variable frequency drive to its' pump, new meters, and a remote telemetry unit which would improve the District's ability to deliver surface water to my farm in an efficient and affordable manner.

Since my property is adjacent to Pixley Slough, I would be able to benefit from the surface water after the temporary dam is rebuilt and a booster pump installed. I am planning to check with NRCS for funding assistance for these farm improvements.

My understanding is that the aquifer under our property has decreased to a lower level. Thus it is becoming more evident that the surface water needs to be utilized when available and save our underground water for years when we experience drought conditions. This project gives me an opportunity to be involved with the District to improve the local ground water level without sacrificing our orchard acreage.

Thank you for considering the North San Joaquin's application and reading this letter of support.

Sincerely,



Ron and Michiko Oye

May 5, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

Mr. Olsen:

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

I have already installed a booster pump and flow meter so that I can receive surface water deliveries from the District. I would like to irrigate significantly more acres than can currently be serviced by my existing facilities. If the district system is improved, I plan to look at the NRCS funding assistance opportunities available for these additional improvements.

I am a true believer in reducing our dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Regards,



Joe Petersen
(209) 210-8010

JOHN PODESTA FARMS

9206 N. Hildreth Lane
Stockton, CA 95212

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water
Conservation District for the South Pump Station Automation Project

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I plan to retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the District. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,


John Podesta II

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I plan to retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the District. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

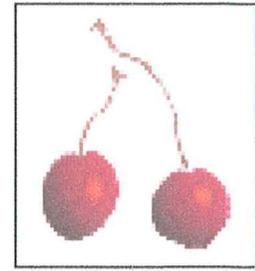
Sincerely,

A handwritten signature in black ink, appearing to read 'Jim Quaschnick', written in a cursive style.

Jim Quaschnick
Quaschnick Farms



RECEIVED
MAY 08 2018



TKH, LLC BY:
8400 E. HANDEL ROAD
LODI, CA 95240

Phone: (209) 367-0882

Fax: (209) 367-3961
westwindfarms@msn.com

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Subject: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

I am co-trustee with the majority member of TKH, LLC. TKH, LLC owns and farms 120 Acres of cherries within North San Joaquin Water Conservation District's service area and the property is located adjacent to the South System. Jim Quaschnick is our ranch manager and he farms the property for TKH, LLC.

The purpose of this letter is to support the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and remote telemetry unit will allow the district to improve the efficiency of its operations and make delivering surface water to this farm more efficient, and thus more affordable for the operation.

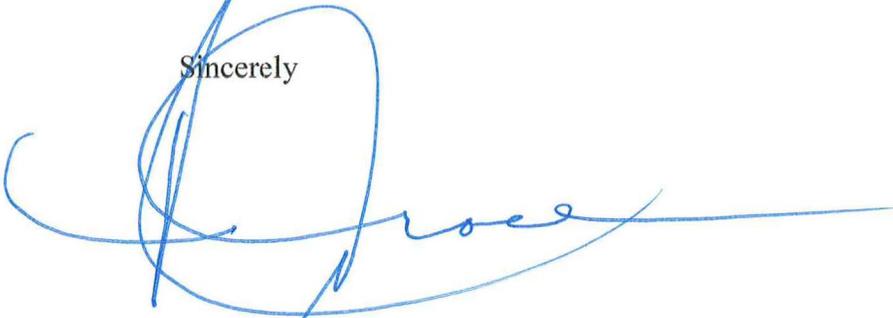
Once the improvements to the District's South Pump Station are completed, we plan to retrofit the irrigation system with a booster pump and flow meter on the ranch so that we can receive surface water delivers from the District. We plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding the property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

May 10, 2018
Page 2

Thank you for taking the time to consider North San Joaquin's application and this letter of support

Sincerely

A handwritten signature in blue ink, appearing to read "Rudy G. Croce". The signature is written in a cursive style with a large, looping initial "R" and a long horizontal stroke extending to the right.

Rudy G. Croce
TKH, LLC

COCOA FARMS, LP
11292 N. ALPINE ROAD * STOCKTON, CA 95212

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water Conservation District for the South Pump Station Automation Project

I am an agricultural landowner who farms within North San Joaquin Water Conservation District's service area and my property is located adjacent to the South System. The purpose of this letter is to support for the North San Joaquin's grant application for funds to help pay for the automation project for the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I plan to retrofit my irrigation system with a booster pump and flow meter so that I can receive surface water deliveries from the District. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,



Jeff J. Colombini
General Partner

Telephone (209) 948-0792

Cotta Ferreira Custom Farming
7651 E 8 Mile Road
Stockton, CA 95212

May 10, 2018

Bureau of Reclamation
Attn: Mr. Darren Olson
P.O. Box 25007, MS 84-27814
Denver, CO 80225

Re: Water and Energy Efficiency Grant Application by North San Joaquin Water
Conservation District

To Whom it May Concern:

I own and farm land in North San Joaquin Water Conservation District. Groundwater levels have continued to decline in the district and I strongly support the district's efforts to conserve water and modernize its South System to provide surface water more efficiently. The purpose of this letter is to show my support for the North San Joaquin grant application seeking financial assistance for improvements to the South Pump Station. Adding a variable frequency drive, new meters and a remote telemetry unit will allow the District to improve the efficiency of its operations and make delivering surface water to my farm more efficient, and thus more affordable for my operation.

Once the improvements to the District's South Pump Station are completed, I plan to retrofit my irrigation system, as needed, and add a flow meter so that I can receive surface water deliveries from the District. I plan to look at the NRCS funding assistance opportunities available for these on-farm facilities.

Because of the significant declines in groundwater levels in the area surrounding my property, it is becoming increasingly important to reduce dependence on groundwater use whenever possible. This project represents a unique and valuable opportunity to improve local groundwater levels without sacrificing the number of acres currently being used for agricultural production.

Thank you for taking the time to consider North San Joaquin's application and this letter of support.

Sincerely,



John Ferreira

Attachment C

North San Joaquin Water Conservation District Resolution Approving Grant Application

NSJWCD Resolution 2018-12

RESOLUTION OF THE BOARD OF DIRECTORS OF THE NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT TO APPLY FOR A SMALL-SCALE WATER EFFICIENCY GRANT FOR THE SOUTH SYSTEM MASTER CONTROL PROJECT

WHEREAS, the United States Bureau of Reclamation's (Reclamation) Small-Scale Water Efficiency Grants provide funding to non-federal entities to implement actions to increase water supply reliability through investments in existing infrastructure and attention to local water conflicts; and

WHEREAS, Reclamation requires that Small-Scale Water Efficiency Grant applicant adopt a resolution verifying (1) the identity of the official with legal authority to enter into agreement, (2) the board of directors, governing body, or appropriate official who has reviewed and supports the application submitted, (3) the capability of the applicant to provide the amount of funding and/or in-kind contributions specified in the funding plan, and (4) that the applicant will work with Reclamation to meet established deadlines for entering into a cooperative agreement; and

WHEREAS, the Small-Scale Water Efficiency Grant program permits applicants to receive two separate grant awards for eligible projects in a given fiscal year; and

WHEREAS, North San Joaquin Water Conservation District (NSJWCD or District) adopted Resolution 2018-09 which authorized District staff to apply for a Small-Scale Water Efficiency Grant to assist the District with the South System Valve Gate Automation Project, a project designed to improve water use efficiency by replacing an existing gate valve located in the South System pipeline;

WHEREAS, NSJWCD desires to apply for a second Small-Scale Water Efficiency Grant to assist the District with the South System Master Control Project, a project designed to improve water use efficiency and reduce operational cost for the South System through installation of a flow meter at the end of the South System pipeline and the design and implementation of a remote master control center to facilitate system operations.

NOW, THEREFORE BE IT HEREBY RESOLVED by the Board of Directors of North San Joaquin Water Conservation District as follows:

1. The Board of Directors finds that it is in the best interests of NSJWCD to apply for a Small-Scale Water Efficiency Grant in order to help fund the South System Valve Gate Automation Project, a project designed to improve water use efficiency by replacing an existing valve located in the South System pipeline.
2. The Board of Directors has reviewed and supports the Small-Scale Water Efficiency Grant application package and directs staff to prepare and submit an application for funding. The Board of Directors authorizes Directors Valerie and _____ to review and approve the final grant application for submittal.

3. The Board of Directors finds it is capable of providing the amount of funding and/or in-kind contributions specified in the funding plan, subject to compliance with Proposition 218.
4. The Board of Directors agrees to work with Reclamation to meet established deadlines for entering into a cooperative agreement.
5. The Board of Directors authorizes the Board President to do and cause to be done any and all acts necessary or convenient to carry out the purpose and intent of this resolution to the extent that any such acts do not need to be taken by the Board of Directors.

Moved by Director Flinn, seconded by Director Starr, that the foregoing resolution be approved.

Upon roll call the following vote was had:

Ayes: 4 Directors Flinn, Starr, Simpson, Valente

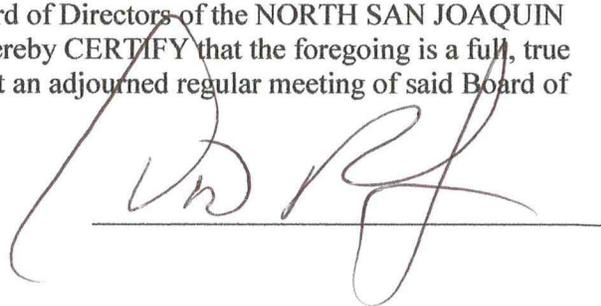
Noes: Directors

Absent: 0 Directors Wilber

Abstain: Director

The President declared the resolution passed.

I, David Simpson, Secretary of the Board of Directors of the NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT, do hereby CERTIFY that the foregoing is a full, true and correct copy of a resolution duly adopted at an adjourned regular meeting of said Board of Directors held the 25th day of June 2018.



A handwritten signature in black ink, appearing to read 'David Simpson', is written over a horizontal line.