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# TECHNICAL PROPOSAL

## Section 1 - Executive Summary

July 30, 2018

Contact: Jeffrey Maupin, General Manager  
Address: 8691 La Porte Road (Mailing: PO Box 299, Brownsville, CA 95919)  
Brownsville, California 95919  
Phone: (530) 675-2567  
Webpage: [www.nywd.org](http://www.nywd.org)

The North Yuba Water District (NYWD, District) is applying for \$75,000 in federal funding assistance from the United States Bureau of Reclamation's (USBR) WaterSMART Small-Scale Water Efficiency Projects Fiscal Year 2018, Funding Opportunity Announcement No. BOR-DO-18-F009.

Should the District be awarded these funds, they will leverage existing capital to cover the costs of converting approximately 2,640 feet of an open lateral canal to 24-inch pipe. The project will enable the District to supply water via a closed system, significantly reducing water losses and ditch maintenance expenses. The project will minimize water loss and increase water efficiency and delivery along a portion of the District's Canal that is especially prone to water seepage and canal overflow.

The District has recently done a complete system analysis and identified canal infrastructure upgrades as the highest priority for efficient use of funds and long-term sustainability of water resources. The project will act as a test to further inform the District regarding potential water savings from installing pipe throughout the entire Dobbins Oregon House Canal (DOHC). This project supports the many collaborative efforts that the District is involved in related to water management in the region and builds upon conservation goals outlined in District and countywide planning efforts.

The project is proposed to be completed no later than one year following the funding award, likely by April 2020.

This proposed project is not located on a Federal facility.

## Section 2 - Background Data

Located primarily within Yuba County with a small portion of its service area located within Butte County, the North Yuba Water District (formerly the Yuba County Water District) was formed in 1952 by special election of the voters of Yuba County, and subsequent certification by the California Secretary of State. The District is an independent special district (not part of any county or city) that operates under the direction of a five-member Board of Directors. The District serves an estimated population of 2,300 with 839 service connections. The Dobbins Oregon House Canal serves the towns of Dobbins and Oregon House, for a combined service area of 120,320 acres (188 sq. miles).

The North Yuba Water District currently diverts 3,840 acre-feet per year for use as agricultural water supply to its customers in Butte and Yuba Counties. The agricultural water is supplied primarily through

the Dobbins Oregon House Canal, a 17-mile hillside canal with four piped inverted siphons, providing water to the Disadvantaged Communities in the vicinity of Brownsville, Frenchtown, Dobbins and Oregon House. Existing commercial agriculture in northern Yuba County includes pasture and a long history of wine production including gold mining era work in the Frenchtown area. Subsequent development included areas near Collins Lake and Oregon House in the 1930's.

Portions of the northern and eastern edges of the District are adjacent to and partially overlap areas of the Plumas National Forest and the Tahoe National Forest. The National Forest vicinity includes islands of developed private land with rural housing. The existing development in the vicinity of the forest includes water supplies from individual wells and a public water supply operated by the District. The rural development includes forest residential lots, small to medium size ranch lots and limited small family farm land use. There are several small communities within the District including Brownsville, Challenge, Forbestown, Rackerby, Sharon Valley, Dobbins, Frenchtown, Robinson Mills and Scott Hill. The community of Oregon House is also within the District and includes an island of properties not annexed in the District but commonly known as Oregon House. Oregon House, Frenchtown and Dobbins do not currently receive treated water from the District and rely on wells for potable use.

The District relies solely on surface water diverted from the South Fork of the Feather River for its supplies. NYWD utilizes its total water supply to provide treated domestic and agricultural supply water, as well as fire suppression flows, to customers within its service areas. Raw water is conveyed via the Forbestown Ditch to a treatment facility, from which water is conveyed to the surrounding communities of Challenge, Brownsville, Rackerby and Forbestown. Agricultural supplies are routed from the Forbestown Ditch, through Dry Creek, and into the Dobbins Oregon House Canal. In 2016, an estimated 157 MG (million gallons) was delivered for domestic and agricultural uses. In a typical water year, demand for water from the District peaks in the months of May through October during the height of the irrigation season. Although all of the service connections within the District are for domestic supply, many 1-acre to 5-acre ranchettes are being irrigated through these connections.

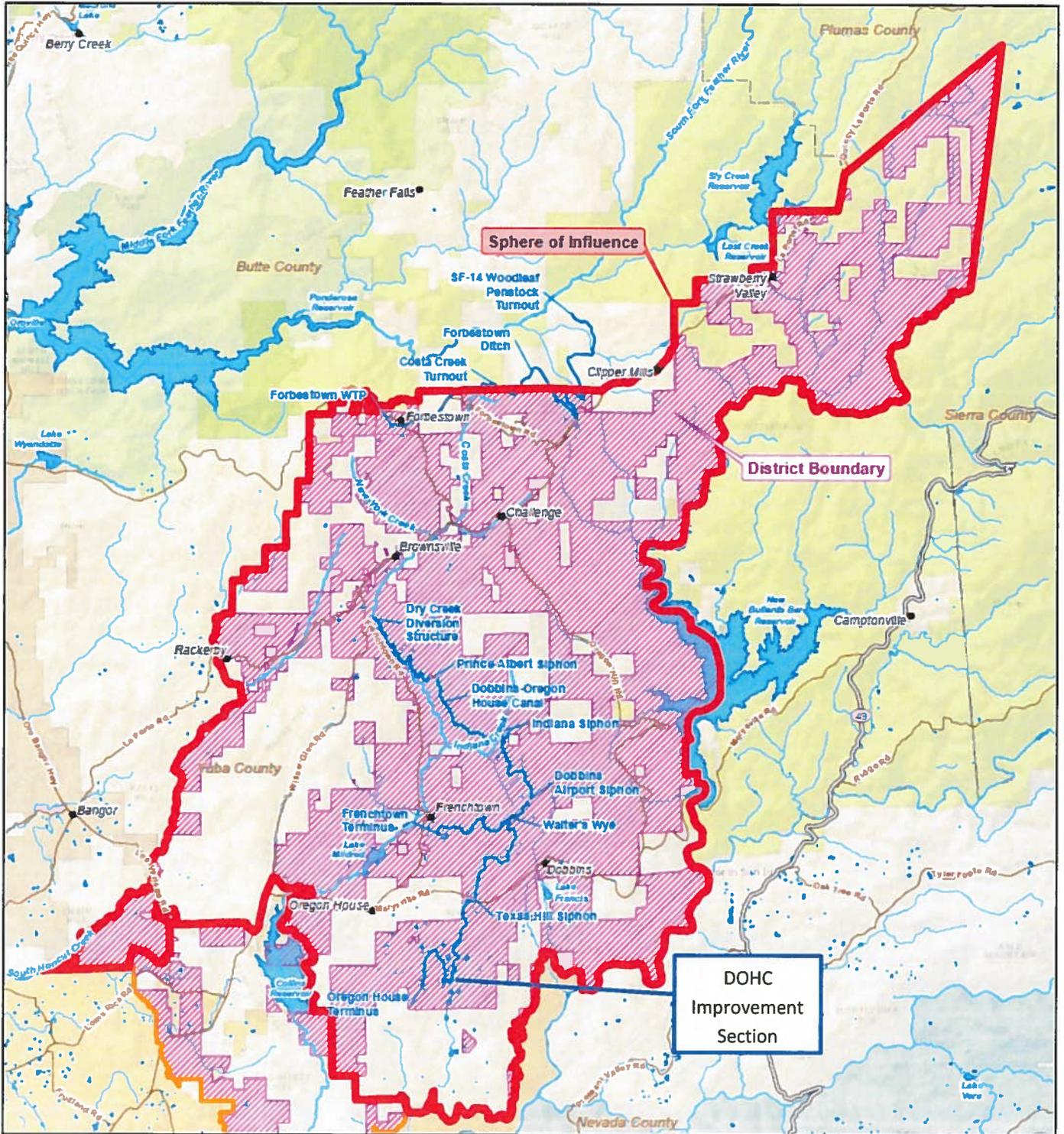
The water-right permits and license that the District has are the following:

- Water Right Permits 11516 & 11518 – These permits allow for diversion and use of up to a total of 23,700 AFY of water by the District.
- Water Right License 12984 – This water right license authorizes the direct diversion of water from natural Dry Creek flows at rates up to 21.4 cfs, with a maximum of 6,060 AFY during the period of April 1 to October 15 of each year. A bypass flow of 4 cfs must be maintained when water is diverted under this license.

Following the January and February 2017 storm events, NYWD has contracted with NorthStar, a multi-disciplinary engineering, architecture, surveying, planning, and environmental consulting firm, for services related to work on the Forbestown Ditch Piping Project. During these efforts, it has become apparent that the District may be able to pilot test replicating the work being done on the Forbestown Ditch on portions of the Dobbins Oregon House Ditch. It is the intention of the District to demonstrate that by piping the hydraulically deficient portions of the ditch, considerable water losses can be reduced.

### Section 3 - Project Location/Project Location Map

The NYWD Phase I Dobbins Oregon House Canal Improvement Project is located in Yuba County California, approximately 3.5 miles south west of Dobbins. The project latitude is 39.341908 and longitude is -121.204353.



## **Section 4 - Technical Project Description**

Water from the Forbestown Ditch is released to the Costa Creek Turnout into Costa Creek. This water flows down Costa and Dry Creek to the DOHC. The District may divert natural flows from Dry Creek under License 12984 with maximum diversion of 21.4 cfs with an annual limit of 6,060 AFY, with a required 4 cfs bypass flow. The existing conveyance capacity of the DOHC is limited by the diversion structure to 13 cfs and the water losses are estimated by the District to be approximately 60 percent. The physical canal capacity is approximately 35 cfs and canal freeboard is limited by sedimentation. There are four (4) existing siphons that range in estimated flow capacity from 36 to 42.5 cfs.

The project work will entail NYWD crews using District equipment to clear vegetation and sediment from the existing conveyance canal in the identified project area. It is planned that 24" N-12 HDPE pipe, capable of carrying the required flows would be placed within the existing canal. Site preparation will be required to seat the pipe and structural supports. The pipe will be placed at grade and will be stabilized with concrete anchor blocks every ten feet for structural support. The grading work to be done during construction will not include any excavation of material but will consist more of subgrade preparation for the placement of pipe and anchor blocks. This will be done in steps; 1) Remove any existing sediment from the open channel and place at the outside edge of the lower side of the embankment. 2) Replace with native soil obtained by lowering the top of embankment by approximately 1 foot, and 3) Compact native soil to 90% Relative Compaction. The pipe will be placed within the current alignment of the canal and stabilized with concrete saddle anchor blocks every ten feet for structural support.

The District is looking at this pilot project as a solution to eliminate the location losing the most conveyed water in the canal. Because the District is not in a position to fund a \$6,000,000 - 8,000,000 project to pipe the entirety of the canal and does not want another irrigation season to pass where they are incapable of providing sufficient water to customers, this is a first step in solving the problem.

The project will result in decreased water loss due to seepage, and evaporation. The District has identified this section of the canal as a priority due to the high water loss. In order to better manage the water resource at all times, but specifically during drought years, the District must be able to maximize conveyance efficiencies in order to more consistently deliver supply to agricultural users.

## **EVALUATION CRITERIA**

### **Criterion A - Project Benefits**

The primary benefit of this project is reduced leakage and improved service deliveries to agricultural water users. The overall benefit to the system will be evaluated after installation and post irrigation season when the District can determine if this approach can produce enough water use efficiencies to replicate the process rather than rehabilitate the entire length of the canal.

Although this project is small in scale, it will incrementally improve water supply reliability and has the potential to be replicated for much larger efficiency improvements on the canal. Any reductions in water loss from infiltration that will allow for deliveries to agricultural sectors and domestic ranching operations should be considered a positive impact.

The District has worked continually on regional planning efforts with adjacent water districts, Yuba County, and Yuba Water Agency. Any benefits realized from this pilot project will be shared with other water managers in the region.

### Criterion B - Planning Efforts Supporting the Project

Because of the small size of the District, the most cost-effective way to document planning needs is to participate in regionalized planning efforts. The District has participated in the Yuba County Integrated Regional Water Management Plan (IRWMP) planning effort since 2007. The IRWMP outlines that irrigation water use efficiencies may start with the lining or piping of ditches and canals. As part of the 2015 Plan Update, participants were given the opportunity to identify project for inclusion in the plan and the NYWD included the Dobbins Oregon House Canal Improvement Project. Although the project included in the IRWMP seeks to fund rehabilitation of the entire length of the canal, this project seeks to pilot test increases in efficiency by only piping the most hydraulically deficient section of the canal. This project is being prioritized because of the increased frequency with which agricultural customers are not being supplied water, causing total crop losses in some instances.

### Criterion C - Project Implementation

The Table 1 shows each of the major tasks associated with the NYWD Phase I Water System Infrastructure Efficiency Project.

**Table 1**

Project Scope Description	Expected Time of Completion
USBR contract agreement finalized	April 2019
Complete Environmental Review	May 2019
Complete Topographic Survey	May 2019
Complete Engineering Design Work	September 2019
Purchase Materials	October 2019
Project Construction (total of 4 months, working around weather)	February 2020
Project Completion	April 2020

Major Milestones include:

- Completion of Topographic Survey
- Completion of Engineering Design
- Completion of Project Construction
- Analysis of agricultural water delivery

The environmental compliance estimate was developed by NorthStar Environmental Planning staff. Compliance costs have been discussed at a cursory level with the local Reclamation office. NorthStar Engineering staff and Licensed Land Surveyors will complete topographic surveys and then complete the final engineering design for the pipe installation.

### Criterion D - Nexus to Reclamation

Is the proposed project connected to a Reclamation project or activity?

The project is not connected to a Reclamation project.

Does the applicant receive Reclamation project water?

The applicant does not receive Reclamation project water.

Is the project on Reclamation project lands or involving Reclamation facilities?

The project is not located on Reclamation lands, nor does it involve any Reclamation facilities.

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

The project is adjacent to, but not within, the Sacramento River Division of the Central Valley Project.

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

The project will not contribute water to a Reclamation basin at this time.

Will the project benefit any tribe(s)?

The project will not provide any direct benefit to tribe(s).

### Criterion E - DOI Priorities

The District has referenced past planning documents which outlined land use designations and NRCS cropping types when determine how to most efficiently upgrade system conveyance and where. This was done to ensure that once the infrastructure has been modernized for conveyance efficiencies, the water is also applied in the best manner for maximizing conservation efforts.

## PROJECT BUDGET

### Section 1 - Funding Plan

NYWD will fund any costs for the above outlined Project above and beyond the amount funded by the federal government with revenue from water rates, in-kind contributions, and/or capital improvement reserves.

Table 2

FUNDING SOURCES		FUNDING AMOUNT
<b>Non-Federal Entities</b>		
Recipient Capital Improvement Reserves		\$66,880.00
*Staff		\$44,774.96

*Equipment	\$13,339.82
<b>Non-Federal Subtotal</b>	
<b>Other Federal Entities</b>	
None	\$0
<b>Other Federal Subtotal</b>	\$0
<b>Requested Reclamation Funding</b>	\$75,000
<b>TOTAL Project Funding</b>	\$

In-kind contributions denoted with an asterisk (\*).

## Section 2 - Budget Proposal

Table 3

BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity	TOTAL
	\$/Unit	Quantity	Type	COST
<b>Salaries and Wages</b>				
Foreman*	\$242.8/day	15	Daily	\$3,642.00
Operator*	\$205.52/day	30	Daily	\$6,165.60
Laborer 1*	\$222.88/day	30	Daily	\$6,686.40
Laborer 2*	\$180.40/day	30	Daily	\$5,412.00
Clerical 1*	\$250.16/day	7	Daily	\$1,751.12
Clerical 2*	\$200.00/day	7	Daily	\$1,400.00
<b>Fringe Benefits</b>				
Foreman*	\$179.36/day	15	Daily	\$2,690.00
Operator*	\$173.04/day	30	Daily	\$5,191.20
Laborer 1*	\$177.20/day	30	Daily	\$5,316.00
Laborer 2*	\$166.96/day	30	Daily	\$5,008.80
Clerical 1*	\$90.48/day	7	Daily	\$633.36
Clerical 2*	\$125.44/day	7	Daily	\$878.08
<b>Travel</b>				
<b>Equipment</b>				
C05 Chain Saw*	\$2.52/hr \$20.16/day	16	Hourly	\$40.32
C10 Wacker Compactor*	\$3.90/hr \$31.20 day	30	Daily	\$936.00
L50 Loader Backhoe8	\$194.80/day	30	Daily	\$5,844.00
P55 Gas Powered Submersible Pump8	\$9.41/hr	310	Hourly	\$2,917.10
T45 25T Flatbed Trailer*	\$4.46/hr	80	Hourly	\$356.80
T50 50000GVW Dump Truck*	\$40.57/hr	80	Hourly	\$3,245.60
<b>Supplies/Material</b>				
24" Double Walled HDPE Pipe	\$12/lf	2,640lf	Linear Foot	\$31,680
24" Fittings	\$65/ea	400ea	Each	\$26,000
Earth Open Channel to 36" dia.	\$3,500/ea	1ea	Each	\$3,500

HDPE transition				
HDPE Outlet to Open Channel transition	\$3,500/ea	1ea	Each	\$3,500
Backfill material	\$100/cy	30cy	Cubic Yards	\$3,000
Pipe Access port with frame and cover	\$3,000/ea	4ea	Each	\$12,000
Pipe anchor block	\$40/ea	800ea	Each	\$32,000
12" HDPE pipe culvert	\$40/lf	80lf	Linear Foot	\$3,200
<b>Contractual/Construction</b>				
NorthStar Contracted Survey	\$6,000	1ls	Lump Sum	\$6,000
NorthStar Contracted Engineering Design	\$5,000	1ls	Lump Sum	\$5,000
NorthStar Contracted Environmental Reporting	\$6,000	1ls	Lump Sum	\$6,000
<b>Other</b>				
Reclamation review of Environmental Compliance	\$10,000	1ls	Lump Sum	\$10,000
<b>TOTAL DIRECT COSTS</b>				<b>\$199,994.38</b>
<b>TOTAL INDIRECT COSTS</b>				<b>\$0</b>
<b>TOTAL ESTIMATED PROJECT COSTS</b>				<b>\$199,994.38</b>

### Section 3 - Budget Narrative

#### Salaries and Wages

If the project is approved, NYWD will be utilizing District staff for the project preparation, construction and management. Time estimates for staffing were provided by NorthStar based on common engineering practices, and staff salaries were supplied by the District.

#### Fringe Benefits

If the project is approved, NYWD will be utilizing District staff for the project preparation, construction and management. Time estimates for staffing were provided by NorthStar based on common engineering practices, and staff fringe benefits were supplied by the District.

#### Travel

NYWD is not requesting reimbursement for travel costs for this project.

#### Equipment

If the project is approved, NYWD will be utilizing District equipment for the project site preparation and construction. Time estimates for equipment were provided by NorthStar based on common engineering practices, referencing US Army Corps of Engineers Operating Expenses Schedules.

#### Supplies and Material

If the project is approved, NYWD will be purchasing the materials for converting approximately 2,640 feet

of an open lateral canal to 24-inch HDPE pipe. Materials costs were provided by NorthStar based on common engineering practices and historical knowledge obtained during engineering design work for the Forbestown Ditch.

### **Contractual/Construction**

If the project is approved, NYWD will continue working under contract with NorthStar for topographic surveying engineering design work.

### **Environmental and Regulatory Compliance Costs**

The budget includes an estimate for NorthStar to provide a site walk and cultural and biological assessment report, along with roughly 5% of the total project budget for Reclamation compliance review. The District did consult with Reclamation staff on required Environmental Assessments.

### **Environmental and Cultural Resources Compliance**

Will the proposed project impact the surrounding environment? 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.

Implementation of the proposed project will require sediment removal from the canal prior to installation of concrete anchoring saddles and HDPE pipe. There may be some minor clearing and grubbing as part of the project to prepare the work area for pipe and saddle installation. Minor construction related emissions can be expected from construction equipment utilized during project installation. The emissions would be temporary and due to the limited size of the proposed project are not anticipated to contribute to any air quality concerns. The implementation of standard construction related BMPs including minimizing the amount of disturbed area during construction, maintaining equipment in good repair, limiting idling times, limiting speeds on unpaved surfaces, the installation of erosion control measures, etc. would reduce and/or minimize construction related impacts to the environment.

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?

It is not anticipated that any species would be negatively affected by any activities associated with the proposed Project. There is no designated critical habitat for any federally listed species present within the proposed project area. As part of environmental review, a biological study may be performed to confirm the presence/absence of special-status species within the proposed project area.

Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as "Waters of the United States?"

It is not anticipated that any surface waters inside the project boundaries would fall under Clean Water Act jurisdiction as "Waters of the United States".

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.

It is not anticipated there will be any buildings, structures, or features within the project area that are listed or eligible for listing on the National Register of Historic Places. Previous analyses conducted by qualified archaeologists on canals within the district have recommended the facilities are not eligible for inclusion in the National Register of Historic Places. It is anticipated this conclusion would apply to the portion of canal occurring within the proposed project area. An archaeological inventory survey performed by a qualified archaeologist may be performed to confirm this conclusion.

Are there any known archeological sites in the proposed project area?

It is unknown if there are any known archaeological sites within the proposed project area. As part of environmental review, an archaeological inventory study may be performed by a qualified archaeologist to document any potential archaeological sites that may occur within the proposed project area.

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

It is not anticipated the proposed project will limit ceremonial use or access of any sacred sites or result in other impacts on tribal lands as the proposed project is occurring within the existing alignment of the canal.

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?

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

## **Required Permits or Approvals**

There are no required permits anticipated for this project.

# Official Resolution

See Appendix XYZ for full size Resolution

## RESOLUTION NO. 18-726

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE NORTH YUBA WATER DISTRICT COMMITTING THE DISTRICT TO FINANCIAL AND LEGAL OBLIGATIONS ASSOCIATED WITH RECEIPT OF FINANCIAL ASSISTANCE ASSOCIATED WITH AN AWARD UNDER THE FUNDING OPPORTUNITY ANNOUNCEMENT NO BOR-DO-18-F009

The North Yuba Water District does hereby resolve as follows:

WHEREAS, through WaterSMART, the United States Bureau of Reclamation (Reclamation) leverages Federal and non-Federal funding to work cooperatively with states, tribes, and local entities as they plan for and implement actions to increase water supply reliability through investments in existing infrastructure and attention to local water conflicts, and

WHEREAS, through Small-Scale Water Efficiency Projects, Reclamation provides assistance to states, tribes, irrigation districts, water districts, and other entities with water or power delivery authority to undertake specific small-scale water efficiency projects that have been prioritized through planning efforts led by the applicant, and

WHEREAS, Small-Scale Water Efficiency Projects are a component of Reclamation's WaterSMART Grants Program, and through working together with their stakeholders, WaterSMART provides support for the Department of the Interior's (DOI) priorities, including the following:

- Creating a conservation stewardship legacy
- Utilizing our natural resources
- Restoring trust with local communities
- Striking a regulatory balance
- Modernizing our infrastructure

WHEREAS, NYWD adopted Resolution No. 2007-656 on April 19, 2007, authorizing its formal participation in the Management Group and the development of the Yuba County IRWM Plan which outlines that water conservation for agricultural water users may include the implementation of efficient water management practices at a regional level, and that water conservation is the responsibility of water districts that seek to make the best use of available water supplies by promoting and providing services to increase both district-wide and on-farm water efficiency, including lining or piping ditches and canals, and

WHEREAS, the General Manager does see an opportunity to fund piping a portion of the Dobbins/Oregon House ditch to improve water conservation and efficiencies in delivery while also supporting DOI priorities, and

WHEREAS, the Board having reviewed the project application and agreeing to provide funding and/or in-kind contributions specified in the funding plan does legally authorize the General Manager to enter into a funding agreement with Reclamation.

THEREFORE, LET IT BE RESOLVED by the North Yuba Water District as follows:

1. The above recitals are true and correct and are adopted by the Board of Directors as findings.
2. The General Manager, Jeffery Maupin, is hereby authorized and directed to file the application for the WaterSMART Small Scale Water Efficiency Projects for FY 2018 by the submittal date of July 31, 2018.

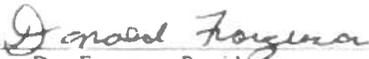
**RESOLUTION NO. 18-726**

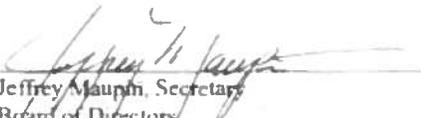
PASSED AND ADOPTED this 28th day of June, 2018, by the following vote at a meeting of the Board of Directors:

AYES: Neilson, T. Brown, Hawthorne, Forguson, Hansard

NOES: 0

ABSENT: 0

  
Don Forguson, President  
Board of Directors  
North Yuba Water District

  
Jeffrey Maupin, Secretary  
Board of Directors  
North Yuba Water District

**Unique Entity Identifier and System for Award Management**

NYWD has registered in the System for Award Management (SAM), but is still in Submitted status until all external validations are complete. Please see Appendix A for the email confirmation of registry submission required notarized letter submitted to activate SAM Entity Registration.

JOHN GARAMENDI  
3<sup>RD</sup> DISTRICT, CALIFORNIA



2438 RAYBURN HOUSE OFFICE BUILDING  
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ARMED SERVICES COMMITTEE  
STRATEGIC FORCES SUBCOMMITTEE  
SEAPOWER AND PROJECTION FORCES  
SUBCOMMITTEE

TRANSPORTATION AND  
INFRASTRUCTURE COMMITTEE  
RANKING MEMBER  
COAST GUARD AND MARITIME TRANSPORTATION  
SUBCOMMITTEE

WATER RESOURCES AND ENVIRONMENT  
SUBCOMMITTEE

RAILROADS, PIPELINES, AND HAZARDOUS MATERIALS  
SUBCOMMITTEE

UNITED STATES CONGRESS

July 19, 2018

DISTRICT OFFICES

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David G. Murillo  
Regional Director, Mid-Pacific Region  
United States Bureau of Reclamation  
2800 Cottage Way  
Sacramento, CA 95825

Josh German  
Program Manager, WaterSMART Grants  
United States Bureau of Reclamation  
P.O. Box 25007  
Denver, Colorado 80225

RE: WaterSMART Small-Scale Water Efficiency Projects for Fiscal Year 2018:  
North Yuba Water District

Dear Mr. Murillo and Mr. German,

I write today in support of an effort by the North Yuba Water District (District) to use WaterSMART grant funding to enclose an existing irrigation canal in pipe to increase efficiency and decrease water loss.

The existing Dobbins-Oregon House canal system is roughly 22-mile of canals with a loss factor of nearly 60%, which has created significant challenges for the District when trying to delivery irrigation water to my constituents in this rural part of California. Because of such high losses in the open canal, the District was unable to deliver water to irrigation water in 2018.

As you know, irrigation water is the lifeblood of agricultural communities, thus it is critical that we take steps to update aging infrastructure and ensure a safe and reliable supply of water for these communities. I respectfully request that you give this application full and fair consideration.

Please contact Garrett Durst with my office at (202)-225-1880 or [Garrett.Durst@mail.house.gov](mailto:Garrett.Durst@mail.house.gov) should you need additional information.

Sincerely,

JOHN GARAMENDI  
Member of Congress



# County of Yuba District Supervisor

Randy Fletcher  
District Five  
Yuba County Government Center  
915 8<sup>th</sup> Street, Suite 109, Marysville,  
California 95901  
(530) 749-7510 Fax (530) 749-7353

July 20, 2018

David G. Murillo  
Regional Director, Mid-Pacific Region  
United States Bureau of Reclamation  
2800 Cottage Way  
Sacramento, CA 95825

Josh German  
Program Manager, Water SMART Grants  
United States Bureau of Reclamation  
PO Box 25007  
Denver, Colorado 80225

RE: North Yuba Water District grant application for Water SMART Small-Scale Water Efficiency Projects for Fiscal Year 2018

Dear Mr. Murillo and Mr. German,

I am happy to write this letter in support of North Yuba Water District's (NYWD) application to receive Water SMART grant funding to make improvements on their irrigation system to increase efficiency and decrease water loss.

The existing irrigation canal system is an antiquated, open ditch, with severe water loss due to evaporation and seepage. This year, and in all years when Mother Nature does not provide an overabundance of water, NYWD was not able to provide an irrigation season to customers.

As the elected County Supervisor for this area, I have heard the questions, the irritation, the anger from these irrigation customers, asking what can be done. Irrigation water is critical for small agricultural businesses and critical for fire protection. I respectfully request that you give NYWD's application full and fair consideration. Please don't hesitate to call me directly should you have any questions, (530) 635-0493.

Sincerely,

Randy Fletcher  
Yuba County Board of Supervisors, District 5

530.741.5000  
info@yubawater.org  
yubawater.org



July 26, 2018

David G. Murillo  
Regional Director, Mid-Pacific Region  
United States Bureau of Reclamation  
2800 Cottage Way  
Sacramento, CA 95825

Josh German  
Program Manager, WaterSMART Grants  
United States Bureau of Reclamation  
PO Box 25007  
Denver, CO 80225

**RE: WaterSMART Small-Scale Water Efficiency Projects for FY 2018: North Yuba Water District**

Dear Mr. Murillo and Mr. German,

For more than a decade, water agencies within Yuba County have worked together to improve water management in the region by addressing local issues such as providing reliable water supplies to meet agricultural needs. Many of the smaller agencies participate in regional planning efforts under the Integrated Regional Water Management (IRWM) program and the Sustainable Groundwater Management Act as the most cost-effective manner in which to document their own water management needs.

In 2005, Yuba Water Agency took the lead in developing a comprehensive and coordinated IRWM Plan (IRWMP) for Yuba County, involving the cooperation of many parties interested in water management in the region including North Yuba Water District (NYWD). The culmination of these efforts was the Yuba County IRWMP which contains numerous important projects from across the region, including a number of projects from the NYWD. Yuba Water Agency and the IRWMP governance group are very supportive of all of the projects contained in the IRWMP.

The Yuba County IRWMP goals, objectives, and projects make it clear that irrigation water use efficiencies should often start with the lining or piping of ditches and canals. As part of the 2015 plan update, participants were given the opportunity to identify projects for inclusion in the plan and the NYWD included the Dobbins Oregon House Canal Improvement Project. Currently the ditch loses approximately 60% of the water delivered to the diversion structure, thereby reducing water available to disadvantaged communities served by the NYWD.

It is our understanding that the NYWD is currently seeking USBR funds to pilot a small-scale piping project in one of the most hydraulically deficient portions of the Dobbins Oregon House Canal. Yuba Water Agency is pleased to express support for the efforts of NYWD to make the best use of available water supplies by promoting infrastructure improvements and modernizations to increase district-wide efficiency through this small-scale canal piping project.

Sincerely,

A handwritten signature in blue ink that reads "Scott Matyac". The signature is fluid and cursive, written in a professional style.

Scott Matyac  
Water Resources Manager

## APPENDIX A

### SAM.gov Supporting Documentation

## Kristen McKillop

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**From:** notification@sam.gov  
**Sent:** Thursday, July 26, 2018 12:20 PM  
**To:** Kristen McKillop  
**Subject:** CONFIRMATION: Registration Submitted for North Yuba Water District / 182172411 in the U.S. Government's System for Award Management (SAM)

*This email was sent by an automated administrator. Please do not reply to this message.*

Dear Kristen McKillop,

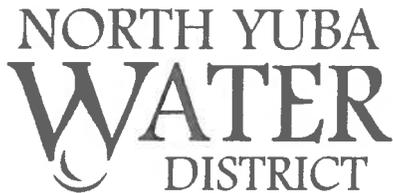
You successfully submitted the entity registration for North Yuba Water District / 182172411 in the U.S. Government's System for Award Management (SAM). This registration record will remain in Submitted status until all external validations are complete. What happens next?

1. If you provided a Taxpayer Identification Number (TIN), the Internal Revenue Service (IRS) will conduct a validation of your TIN and Taxpayer Name. This step can take two business days. You will get an email from @sam.gov when that review is complete.
2. Your registration will then be sent to the Defense Logistics Agency (DLA) Commercial and Government Entity (CAGE) Code system for assignment or validation of your CAGE Code. This step averages two business days, but the DLA CAGE team can take up to ten business days, or longer, in peak periods. You will get an email from @sam.gov when that review is complete.
3. If the DLA CAGE team has any questions, they will contact the individual you listed as the Government Business Point of Contact (POC) via email. The email will come from an @dla.mil address. Please tell your Government Business POC to respond right away to any requests from an @dla.mil email. If a timely response is not received, your registration will be returned to SAM and your registration status changed to Work in Progress. You will have to resubmit and provide the requested information to DLA CAGE to continue.
4. You will get an email from @sam.gov when your registration passes these external validations and becomes Active. While you are waiting, use the Check Status tab in the SAM main navigation bar to see where your registration is in the review process.
5. If you have not previously submitted a notarized letter formally designating the Entity Administrator for your entity, you must do so now. Use the instructions at: [https://www.fsd.gov/fsd-gov/answer.do?sysparm\\_kbid=d2e67885db0d5f00b3257d321f96194b&sysparm\\_search=kb0013183](https://www.fsd.gov/fsd-gov/answer.do?sysparm_kbid=d2e67885db0d5f00b3257d321f96194b&sysparm_search=kb0013183)
6. Mail the original, signed notarized letter to the following address. Failure to do so within 30 days of activation may result in the registration no longer being active.

FEDERAL SERVICE DESK  
ATTN: SAM.GOV REGISTRATION PROCESSING  
460 INDUSTRIAL BLVD  
LONDON KY 40741-7285

If you submitted a federal entity registration, you are not required to provide a notarized letter.

Remember, this process is entirely FREE to you. It is FREE to register and maintain your registration in SAM. It is FREE to



Founded in 1952

July 19, 2018

Federal Services Desk  
ATTN: SAM.GOV Registration Processing  
460 Industrial Boulevard  
London, KY 40741-7285  
UNITED STATES OF AMERICA

SUBJECT: Information Required to Activate SAM Entity Registration

**Purpose of Letter**

The purpose of this letter is to formally appoint an Entity Administrator for each named Entity and to attest to the accuracy of the information contained in the entity registration.

**Designation of Entity Administrator**

I, **Jeffrey Maupin, General Manager**, the below signed individual, hereby confirm that the appointed Entity Administrator is an authorized officer, agent, or representative of the Entity. This letter authorizes the appointed Entity Administrator to manage the Entity's registration record, its associated users, and their roles to the Entity, in the System for Award Management (SAM).

**Entity Covered by this Letter**

DUNS® Number: 182172411  
Legal Business Name: North Yuba Water District  
Physical Address: 8691 LaPorte Rd. Brownsville, CA 95919

**Entity Administrator Contact Information**

Full Name: Jeffrey Maupin  
Phone Number: 530-675-2567  
Email Address: jmaupin@nywd.org

\*The Entity Administrator must have an individual user account in SAM associated with the email address listed.

**Account Administration Preference**

**Self-Administration Confirmation:** For the purpose of registering with the United States Government through the online System for Award Management (SAM), I do not authorize any third party to act on behalf of the Entity listed above. I have checked the box to the left of this paragraph to indicate that the designated Entity Administrator is not a third-party agent.

**Attestation**

I, the below-signed, attest to the following:

- All information contained in this letter is complete and accurate.
- The designated Entity Administrator listed above has an individual SAM User Account created with the email address provided in this letter.
- The banking information provided for Electronic Funds Transfer on the Financial Information Page in the SAM.gov registration for the Entity above is correct and accurate.

PHONE (530) 675-2567 • FAX (530) 675-0462 • email@nywd.org • www.nywd.org

Administrative Office: 8691 La Porte Road, Brownsville, CA 95919 | Mailing Address: P.O. Box 299, Brownsville, CA 95919

Respectfully,

A handwritten signature in black ink, appearing to read "Jeffrey Maupin", with a long horizontal flourish extending to the right.

**Jeffrey Maupin, General Manager**

**[jmaupin@nywd.org](mailto:jmaupin@nywd.org)**

**North Yuba Water District**

**8691 La Porte Road**

**Brownsville, CA 95919**

Federal Service Desk  
ATT: SAM>GOV Registration Processing  
460 Industrial Boulevard  
London, KY 40741-7285  
United States of America

BROWNSVILLE P.O.  
8975 FRENCHTOWN EXT  
BROWNSVILLE, CA 95919-9998  
USPS 0509960919  
1-800-275-8777  
116315401

Term ID: 01  
Clerk ID: 000006

sale

\*\*\*\*\*9303  
**VISA** Chip  
TOTAL: \$8.45

07/26/18 09:53:34  
Inv #: 000002 Appr Code: 116292  
Receipt #: 00000632

All Sales Final on Stamps and Postage.  
Refunds for Guaranteed Services Only

Visa Credit  
AID: A0000000031010  
AC: 4A C5 42 01 66 0D 48 27  
CVR: 5E 00 00  
IAD: 06010A03602000  
ARC: 00  
TVR: 80 80 00 80 00  
TSI: 68 00

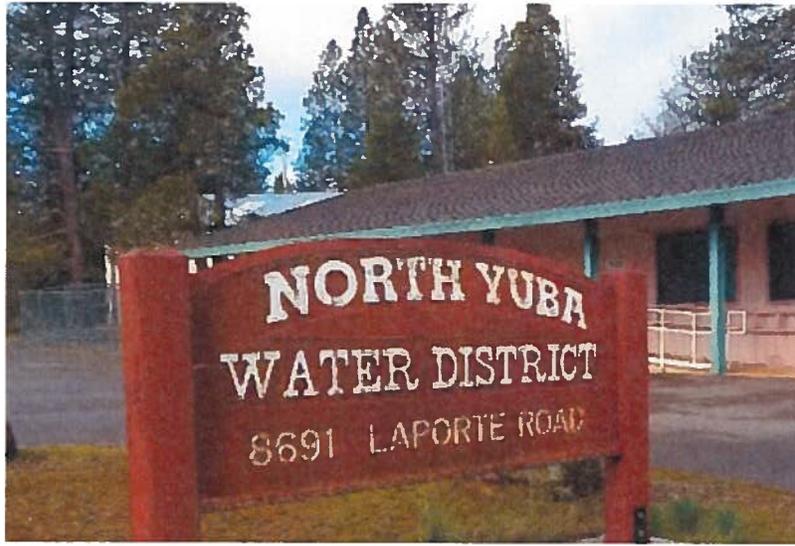
CUSTOMER COPY

Order Stamps at USPS counter or call  
1-800-Stamp24. Go to  
USPS.com/shipstation to print shipping  
labels with postage. For other info call  
1-800-ASK-USPS.

USPS TRACKING #  
& CUSTOMER  
RECEIPT

**9114 9014 9645 1732 7907 89**  
For Tracking or inquiries go to USPS.com  
or call 1-800-222-1811

Small-Scale Water Efficiency Projects for FY 2018  
Funding Opportunity Announcement No. BOR-DO-18-F009



**North Yuba Water District**  
**Dobbins Oregon House Canal Improvement Project, Phase I**

**Applicant Information:**      **North Yuba Water District**  
8691 La Porte Road (Mailing: PO Box 299, Brownsville, CA 95919)  
Brownsville, CA 95919  
Yuba County

**Project Manager:**      **Jeff Maupin, General Manager**  
PO Box 299  
Brownsville, CA 95919  
[jmaupin@nywd.org](mailto:jmaupin@nywd.org)  
(530) 675-2567

CAPITOL OFFICE  
STATE CAPITOL  
SACRAMENTO CA 95814  
(916) 651 4004

CHICO DISTRICT OFFICE  
2635 FOREST AVE STE 110  
CHICO CA 95928  
(530) 879-7424

ROSEVILLE DISTRICT OFFICE  
2200A DOUGLAS BLVD STE 100  
ROSEVILLE CA 95765  
(916) 772-0571

YUBA CITY DISTRICT OFFICE  
1100 CIVIC CENTER BLVD STE 202 A  
YUBA CITY CA 95993  
(530) 751-8657

# California State Senate



**SENATOR  
JIM NIELSEN**  
FOURTH SENATE DISTRICT

COMMITTEES  
APPROPRIATIONS  
BUDGET & FISCAL REVIEW  
VICE CHAIR  
HEALTH  
VETERANS AFFAIRS  
VICE CHAIR

July 30, 2018

Mr. David G. Murillo  
Regional Director, Mid-Pacific Region  
United States Bureau of Reclamation  
2800 Cottage Way  
Sacramento, CA 95825

**RE: North Yuba Water District grant application for Water SMART funding.**

Dear Director Murillo:

We are writing to express our strong support for the North Yuba Water District's (District) request for \$150,000 in grant funding through the Water SMART Small-Scale Water Efficiency Projects program for Fiscal Year 2018.

NYWD is a publicly owned water utility service that provides water to a small, rural population in the Yuba County Foothills, and is regulated by the California Department of Public Health and State Water Codes. The District's customers include individuals relying on irrigation water deliveries that come from an existing, but antiquated, open canal system in which water is conveyed through a ditch that historically experiences severe water loss of up to 60 percent due to evaporation and seepage.

This grant will provide critical funding to the District so that it can make upgrades that include enclosing the ditch with pipe, which will result in much better efficiency of the system while dramatically decreasing the loss of water using the current conveyance method.

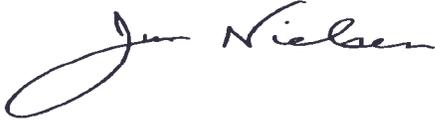
We urge your strong consideration of NYWD's grant application as it will have an enormous impact on the residents and businesses that rely on the North Valley Water District for their day-to-day needs.

We are confident that this project is important to the future and wellbeing of the foothills communities that it serves, and ask that you strongly consider this request for a Water SMART grant through the United States Bureau of Reclamation.

JUL 31 '18 AM 10:49

We appreciate your consideration of this request, and for your continued support of residents and businesses in the State of California. If you need further information, please contact my Deputy Chief of Staff, Rob Olmstead, at (916) 772-0571, or Assemblyman Gallagher's Chief of Staff, Curtis Grima, at (530) 671-0303.

Sincerely,

A handwritten signature in blue ink that reads "Jim Nielsen". The signature is fluid and cursive, with the first name "Jim" being more prominent than the last name "Nielsen".

Senator Jim Nielsen  
4<sup>th</sup> Senate District

A handwritten signature in blue ink that reads "James Gallagher". The signature is highly stylized and cursive, with the first name "James" being the most prominent part of the signature.

Assemblyman James Gallagher  
3<sup>rd</sup> Assembly District