

## Proposal Full View

### APPLICANT INFORMATION

<b>Organization Name *</b>	North Yuba Water District			
<b>Tax ID</b>	941605954			
<b>Point Of Contact *</b>	<b>Division/Address List:</b>	NYWD		
	<b>Address1:</b>	8691 La Porte Road	<b>Address2:</b>	
	<b>City:</b>	Brownsville	<b>State:</b>	CA
	<b>Zip:</b>	95919		
	<b>First Name:</b>	Jeff	<b>Last Name:</b>	Maupin
	<b>Email:</b>	jmaupin@nywd.org	<b>Phone (Direct):</b>	5306752567
<b>Point Of Contact Position Title *</b>	General Manager			
<b>Proposal Name *</b>	Yuba Region Drought Emergency Response Proposal			
<b>Proposal Objective*</b>	Recover canal losses of more than 46% over a 10-mile canal, resulting in annual savings of more than 3,300 AF. In addition, efficiencies will also protect the canal from pollutants and contamination, such as overturned trucks on nearby roads and individual wastewater treatment systems (septic) which infiltrate into the canal, currently. This project will save water that will then benefit power production and the coldwater pool available to Feather River water managers.			

### BUDGET

<b>Other Contribution</b>	0
<b>Local Contribution</b>	658597
<b>Federal Contribution</b>	0
<b>Inkind Contribution</b>	0
<b>Amount Requested *</b>	4572955
<b>Total Project Cost *</b>	5231552

### GEOGRAPHIC INFORMATION

	<b>DD</b>					
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<b>Latitude *</b>	(+/-): 39	<b>MM:</b> 32	<b>SS:</b> 52
<b>Longitude *</b>	<b>DD</b> (+/-): 121	<b>MM:</b> 11	<b>SS:</b> 42
<b>Longitude/Latitude Clarification</b>	<b>Location</b>		
<b>County*</b>	Yuba		
<b>Ground Water Basin</b>	Sacramento Valley-North Yuba,Sacramento Valley-South Yuba		
<b>Hydrologic Region</b>	Sacramento River		
<b>Watershed</b>	Project is located in the Yuba River Watershed, but project water is diverted from the Feather River		

**LEGISLATIVE INFORMATION**

<b>Assembly District*</b>	3rd Assembly District
<b>Senate District*</b>	4th Senate District
<b>US Congressional District*</b>	District 3 (CA)

**Project Information**

**PROJECT NAME: FORBESTOWN DITCH**

**FORBESTOWN DITCH**

<b>Implementing Organization</b>	North Yuba Water District
<b>Secondary Implementing Organization</b>	
<b>Proposed Start Date</b>	10/16/2014
<b>Proposed End Date</b>	1/13/2017
<b>Scope Of Work</b>	The North Yuba Water District (District) proposes to install ten miles of high-density polyethylene pipe in an existing open and unlined water conveyance canal. This project will increase the efficiency of Forbestown Ditch (with a current loss rate of at least 46%, resulting in the loss of at least 3,300 AFA), which will, in turn, conserve very close to 100% of this water over the long term.
	Immediate drought preparedness suggests projects that contribute to sustainable long-term water supply, adding a level of "robust-ness" to a region's water system and thereby helping with immediate needs as well as adding adaptability over the long term. This project will increase the efficiency of Forbestown Ditch (which currently has an estimated 46% loss rate, resulting in the loss of at least 3,300 AFA), and will conserve nearly 100% of this water immediately upon project completion. The North Yuba

<p><b>Project Description</b></p>	<p>Water District (NYWD, formerly the Yuba County Water District) receives 100% of its potable water supply and a portion of its irrigation water supply via the Forbestown Ditch, which provides irrigation and domestic water to the residents in the communities of Forbestown, Rackerby, Brownsville, Dobbins, Challenge, and Oregon House. The service area, and especially the domestic customer area, is predominantly considered a disadvantaged community (DAC). The Forbestown Ditch is in need of major repair/replacement and is subject to facility failures due to erosion. This project will replace the existing unlined ditch with a combination of pipeline and lining. This work, on a ditch originally constructed in the 1800s, would decrease leaks to a negligible amount. The project is estimated to save a minimum of 3,300 acre-feet of water per year. HDPE pipe has an expected life of more than 50 years. As a conservative estimate, the expected water savings over this time is 165,000 acre-feet. The saved water will stay in the reservoirs of the South Feather Water and Power Authority, where it would be used to generate power and will contribute to the Feather River's coldwater pool. This adds to climate adaptability for both power production/provision and ecological communities in the region.</p>
<p><b>Project Objective</b></p>	<p>The primary project objective is to save more than 3,300 AFA through increasing efficiencies on the Forbestown Ditch. One of two secondary objectives that is to protect this potable water source from accidental, septic, and over-land contamination on its way to the NYWD water treatment plant. The second secondary objective is to provide greater flexibility and adaptability to power production capacity and ecosystem health in the Feather River watershed.</p>

**PROJECT BENEFITS INFORMATION**

Project			
Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Supply Enhancement	0	water savings

**BUDGET**

<b>Other Contribution</b>	0
<b>Local Contribution</b>	658597
<b>Federal Contribution</b>	0
<b>Inkind Contribution</b>	0
<b>Amount Requested*</b>	4572955
<b>Total Project Cost*</b>	5231552

### GEOGRAPHIC INFORMATION

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<b>Longitude/Latitude Clarification</b>	<b>Location</b>		
<b>County*</b>	Yuba		
<b>Ground Water Basin</b>			
<b>Hydrologic Region</b>	Sacramento River		
<b>Watershed</b>	Yuba River, Feather River		

### LEGISLATIVE INFORMATION

<b>Assembly District*</b>	3rd Assembly District
<b>Senate District*</b>	4th Senate District
<b>US Congressional District*</b>	District 3 (CA)

## Section : Applicant Information and Questions Tab

### APPLICANT INFORMATION AND QUESTIONS TAB

#### Q1. Project Representative

**Provide the name and details of the person responsible for signing and executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Jeff Maupin, General Manager, North Yuba Water District 530/675-2703 jmaupin@nywd.org

#### Q2. Project Manager

**Provide the name and contact information of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Jeff Maupin, General Manager, North Yuba Water District 530/675-2703 jmaupin@nywd.org

#### Q3. Funding Area Information

**Provide the IRWM funding area(s) in which projects are located.**

Yuba Region IRWMP: the North Yuba Water District is located in the far northeastern portion of the IRWM planning area.

#### Q4. DAC Waiver Cost Share Request

Are you applying for a DAC cost share waiver? If yes, fill out Attachment 8.

- a)  Yes  
b)  No

#### Q5. Responsible Regional Water Quality Control Board(s) (RWQCB):

List the name of the RWQCB in which your Proposal is located. For a region that extends beyond one RWQCB boundary, list the name of each Board.

Central Valley RWQCB

#### Q6. Eligibility

The Implementation Grant Program requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Are your matching funds less than 25%? If so, please explain.

The NYWD provides potable water to two census block groups that have annual Median Household Incomes (MHI) less than \$48,706, the Statewide threshold to be considered a DAC (less than 80% of the state's MHI as determined in the 2010 census). The location of these communities within the District was mapped with GIS files that were derived from the US Census Bureau's American Community Survey and compiled for the 5-year period 2006-2010. Mapping indicates that approximately 50% of the domestic service area (District Divisions 1, 2, and 5) is identified as DACs. This indicates that 50% of project costs can be considered as applicable for a DAC and therefore don't require cost share. The other 50% of project costs (approximately \$2.3 million) are not considered a DAC and therefore are required to show a 25% cost share. This cost share is demonstrated in Attachment 5, the budget, and is a combination of studies done on the Forbestown Ditch, emergency work done on the Ditch, and a cash (labor) match by the District.

#### Q7. Eligibility

Does the application represent an IRWM Region approved in the RAP? To verify, see RAP website: <http://www.water.ca.gov/irwm/grants/rap.cfm>.

- a)  Yes  
b)  No

If yes, include the name of the IRWM Region. If no, please explain.

Yuba Region IRWMP (formerly Yuba County IRWMP)

### Section : Application Attachments Tab

## Application Attachments Tab

**Attachment 1: Authorization and Eligibility Requirements**

Upload "**Authorizing**" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_1of14.doc

Upload "**Eligible Applicant**" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_2of14.doc

Upload "**Acknowledgement Form – Submittal of Additional Information**" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_3of14.doc

Upload "**Adopted IRWM Plan and Proof of Formal Adoption**" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_4of14.doc

Upload "**Project and Consistency with an adopted IRWM Plan**" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_5of14.doc,Att1\_DG\_Eligible\_6of14.pdf

Upload "**Urban Water Management Compliance**" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_7of14.doc

**Upload "Agricultural Water Management Compliance" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_8of14.doc

**Upload "Surface Water Diverter Compliance" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_9of14.doc,Att1\_DG\_Eligible\_10of14.pdf

**Upload "Groundwater Management Compliance" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_11of14.doc

**Upload "CASGEM Compliance" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_12of14.doc,Att1\_DG\_Eligible\_13of14.shp

**Upload "Water Conservation Programs and Measures" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1\_DG\_Eligible\_14of14.doc

### **Attachment 2: Drought Impact**

**Upload "Drought Impact" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att2\_DG\_Impact\_1of1.doc

### **Attachment 3: Project Justification**

**Upload "Project Justification" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments:  
Att3\_DG\_ProJust\_1of3.doc,Att3\_DG\_ProJust\_2of3.doc,Att3\_DG\_ProJust\_3of3.pdf

### **Attachment 4: Work Summary**

**Upload "Work Summary" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att4\_DG\_WorkSummary\_1of1.doc

### **Attachment 5: Budget Summary**

**Upload "Budget Summary" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att5\_DG\_Budget\_1of2.doc,Att5\_DG\_Budget\_2of2.doc

### **Attachment 6: Schedule**

**Upload "Schedule" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att6\_DG\_Schedule\_1of1.pdf

### **Attachment 7: Program Preferences**

**Upload "Program Preferences" documentation here. This attachment is mandatory.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att7\_DG\_Preference\_1of1.doc

### **Attachment 8: Disadvantaged Community Assistance**

**Upload "Disadvantaged Community Assistance" documentation here. This attachment is optional.**

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att8\_DG\_DAC\_1of1.doc