



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Ditch System Study (a continuation of the Tunnel Reconstruction Project)

Name of Water Activity/Project

North Delta Irrigation Company

Name of Applicant

Gunnison

Amount from Statewide Account: \$82,686.00

Amount from Basin Account(s): \$0

Total WSRA Funds Requested: \$82,686.00

Approving Basin Roundtable(s) (If multiple basins specify amounts in parentheses.)

Part I. - Description of the Applicant (Project Sponsor or Owner);

1. Applicant Name(s): North Delta Irrigation Company

Mailing address: 1221 Highway 50 Delta, CO 81416

Taxpayer ID#: 84-0581619

Primary Contact: Terry Dalpiaz Position/Title: Secretary/Treasurer

Email: ndic1913@gmail.com

Phone Numbers: Cell: 970-216-0174 Office:

Alternate Contact: Position/Title:

Email:

Phone Numbers: Cell: Office:

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2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
- Public (Districts) – authorities, Title 32/special districts, (conservancy, conservation, and irrigation districts), and water activity enterprises.
- Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- Non-governmental organizations – broadly defined as any organization that is not part of the government.

3. Provide a brief description of your organization: The North Delta Irrigation Company (NDIC) is a Colorado Non-Profit Corporation which operates the North Delta Canal which delivers 49.675 CFS from a headgate located east of Austin, Colorado, on the Gunnison River. This canal is approximately 23 miles long and serves 175 shareholders who farm approximately 2,300 acres in Delta County and the City of Delta, Colorado. NDIC has a board of directors of 5 members, a part time ditch rider and a part time secretary.

4. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

N/A

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

The Applicant will be able to contract with the CWCB using the Standard Contract

The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant. TABOR is not relevant to NDIC.

N/A

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## Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

Nonconsumptive (Environmental or Recreational)

Agricultural

Municipal/Industrial

Needs Assessment

Education

Other      Explain:

2. If you feel this project addresses multiple purposes please explain.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

Study       Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude:

N38-46

Longitude:

W107-60

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

The WSRA funding will be used to survey and study the ditch system to determine the most cost effective solution to return the ditch delivery to a level of service available prior to the piping of the failed tunnel in 2012.

### Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

The water activity was originally approved by the Gunnison Basin Roundtable and the CWCB for funding. This application is requesting a modification in the original scope of work to include a ditch system wide analysis. This effort will require an engineering firm to study the system and report findings as to the best approach to modifying the ditch system to allow the conveyance of the Company's adjudicated water rights through the canal and through the repaired tunnel piping.

a) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT).

See letter from the Roundtable Chair.

b) Matching Requirement:

Matching funds requirements were met in the original authorization including a 50% loan – 50% grant. No additional matching funds are provided in this request since this funding request remains within the original authorization by the Roundtable.

The above statements are true to the best of my knowledge:

**Signature of Applicant:**

**Print Applicant's Name:** North Delta Irrigation Company

**Project Title:** Ditch System Study

**Date:** March 7, 2014

**Return an electronic version (hardcopy may also be submitted) of this application to:**

Craig Godbout – WSRA Application  
Colorado Water Conservation Board  
1580 Logan Street, Suite 200  
Denver, CO 80203

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## Exhibit A Statement of Work

WATER ACTIVITY NAME – Ditch System Study  
GRANT RECIPIENT – North Delta Irrigation Company  
FUNDING SOURCE – \$82,460 Statewide Account

### GENERAL DESCRIPTION OF PROJECT

In 2012, the North Delta Irrigation Company (NDIC) repaired their 1,500 foot tunnel that collapsed using funds from a WSRA Grant and a CWCB Loan. Petty Construction Company was hired as the prime contractor and WestWater Engineers provided engineering services. After lining the tunnel with the largest pipe (48 inch HDPE) that would fit, the NDIC determined that it could no longer pass the full decreed direct flow right in the ditch system. The ditch is decreed for approximately 52cfs and it currently only able to deliver about 25cfs. This project will provide an engineering analysis and establish a cost-benefit table of solutions to achieve delivery of the decreed right.

### OBJECTIVE

The purpose of this Project is to provide NDIC funds to hire an engineering/surveying firm to analyze the NDIC system and provide a feasibility study to determine the most cost effective solution to achieve delivery of its decreed water right.

### TASKS

#### **Task 1 – Surveying**

This task includes performing a detailed survey of the tunnel pipeline and spot survey of rest of the ditch system as needed for the engineering study.

Methods/Procedures:

Contract and oversee the preparation of a survey.

Deliverables:

A paper and digital copy of the survey documents produced.

#### **Task 2 – Engineering Feasibility Study**

This task includes performing an analysis to evaluate several alternatives for returning the NDIC ditch system to its decreed diversion right. The study will incorporate information that the NDIC's has developed as a result of this situation. Such as: construction drawings, mapping, ditch flow data and engineering studies.

The study will include drawings, cost estimates, limitations (ie permitting, land acquisitions, water right

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administrations, etc.), and available funding sources to achieve the decreed water rights.

### Methods/Procedures:

The NDIC will solicit proposals from a minimum of two qualified engineering firms and enter into an engineering services contract with the engineering firm for the work.

### Deliverables:

A Professional Engineer stamped paper copy and a digital copy of the final Feasibility Study. All drawings shall be on maximum 11" x 17" sheet size.

### REPORTING AND FINAL DELIVERABLE

**Reporting:** The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the statement of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

**Final Deliverable:** At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report shall contain photographs, summaries of meetings, and engineering reports/designs.

### BUDGET

Task 1 – Surveying	\$4,686
Task 2 – Engineering Feasibility Study	\$78,000
Total	\$82,686

### SCHEDULE

The Project is estimated to begin in the spring of 2014 and finish in the winter of 2014/15.

#### Estimated Project Schedule

<i>Task</i>	<i>Duration</i>	<i>Finish</i>
1. Survey	2 months	Contract Effective Date + 2 months
2. Engineering Feasibility Study	10 months	Contract Effective Date + 12 months
Final Deliverables	6 months	Contract Effective Date + 18 months

### PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must

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include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 10 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.