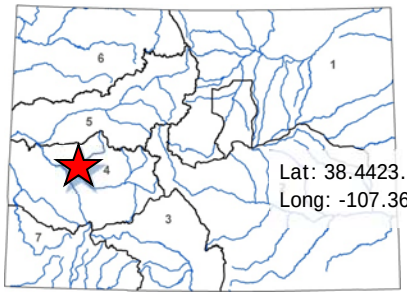
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Water Plan Grant Application

Lower Aspen Canal Piping Efficiency Project

Crawford Water Conservancy District

November 2019 Board Meeting



L O C A T I O N	
County/Counties:	Delta, Montrose
Drainage Basin:	Gunnison

D E T A I L S	
Total Project Cost:	$1,763,050
Water Plan Grant Request:	$274,000
Recommended Amount:	$274,000
Other CWCB Funding:	$226,000 (requested)
Other Funding Amount:	$1,023,800
Applicant Match:	$38,450
Project Type(s): Study	
Project Category(Categories): Agricultural	
Measurable Result: Agricultural water efficiency, water quality benefits, habitat restoration	

The Lower Aspen Canal Piping Project will replace approximately 9,000 feet of open, earthen, and leaking Aspen Canal with closed HDPE pipe. The Lower Aspen Canal provides irrigation water for grass pasture and hay crops. Benefits include improved management of 10,000 ac-feet of water, the conservation of almost 220 ac-feet previously lost to seepage, reduction of 369 tons of salt (Reclamation) and 24 lbs selenium loading to the Colorado River System. Selenium reduction benefit is 24-36% of the 66 lb reduction required to meet chronic aquatic life standards under the Clean Water Act. This project is consistent with goals and objectives of federal mitigation requirements identified in the Aspinall Unit Re-operations Programmatic Biological Opinion (PBO), provides significant downstream benefits to endangered fish critical habitat and endangered fish Recovery Program goals, and is a Tier 1 Gunnison Basin Implementation Plan Project. CWP grant funds will be used to purchase materials and for construction management.

CWP funds will be leveraged with a diverse set of funding programs including the Environmental Protection Agency's Section 319 Nonpoint Source Management Program, which is managed through the Colorado Department of Public Health and Environment (CDPHE). The project was selected for 319 funds because the project will reduce selenium loading to the Colorado River System, helping to implement the Federal Selenium Management Program, which coordinates off-farm selenium control projects to aid in the recovery of endangered and threatened fish species, and achieve state water quality goals.

The project will also result an estimated reduction of 369 tons of salt loading. Salinity-caused impacts have long been a major concern in the Colorado River Basin. The salinity in the river increases as it flows downstream and has significant economic effects on agricultural, municipal, and industrial water users. CWP funds would be utilized to leverage a larger Bureau of Reclamation Basinwide Salinity Control Program award through this year's Funding Opportunity Announcement (FOA). The Basinwide Salinity Control Program uses a competitive process to implement a variety of effective salinity control measures, with the majority of projects concentrating on improving the efficiency of off-farm irrigation delivery systems. Reclamation solicits applications through a FOA for projects that reduce the salinity of the Colorado River.

Staff recommends Board approval of the full grant amount requested on the condition that applicants secure the match necessary for the project. This project furthers several of Colorado's Water Plan critical action goals relating to agriculture including encouraging agriculture efficiency and resiliency while promoting agricultural productivity. This project will provide multiple benefits including reducing salinity impacts to other water users, improving water quality, and furthering interstate objectives associated with salinity reduction in the Colorado River Basin.

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Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects	Anna.Mauss@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to *waterplan.grants@state.co.us* in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Crawford Water Conservancy District
Name of Water Project	Lower Aspen Canal Piping Efficiency Project

CWP Grant Request Amount	$ 274,000
Reclamation Western CO Area Office (CRSP In-kind Estimate)	$167,300
Reclamation Salinity Control Program (Request in progress)	$575,000
Colorado Non-Point Source Program (NPS) (Awarded)	$375,000
NPS Water-Quality Implementation Fund (Awarded)	$70,000
Colorado Species Conservation Trust Fund (Request in progress SMP Science Team)	$33,500
Colorado River District (In-Kind Committed)	$3,800
WSRF Funds Requested (Basin & Statewide)	$226,000
Applicant Funding Contribution - Crawford Water Conservancy (Cash/In-Kind)	$38,450

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Total Project Cost	$1,763,050

Applicant & Grantee Information

Name of Grantee(s) Crawford Water Conservancy District
Mailing Address 183 Highway 92, Crawford, CO 81415-9123
FEIN 98-03827
Organization Contact Gary Kraai
Position/Title Manager
Email crawfordwaterconservancy@gmail.com
Phone 970-921-4775
Grant Management Contact Gary Kraai
Position/Title Manager
Email crawfordwaterconservancy@gmail.com
Phone 970-921-4775
Name of Applicant (if different than grantee) N/A
Mailing Address
Position/Title
Email
Phone

Description of Grantee/Applicant

Provide a brief description of the grantee's organization (100 words or less).

The Crawford Water Conservancy District has operated the Smith Fork Project since 1964 providing agricultural irrigation water to about 8,200 acres of farms and ranches (209 water users) in Montrose and Delta counties. The Smith Fork Project was constructed by Reclamation as a participating irrigation project as part of the Colorado River Storage Project Act (CRSP, 1956).

The CWCD supplies project water to six private ditches/canals either directly including: Clipper Ditch, Grand View Canal, and Daisy Ditch and indirectly via exchange to Saddle Mountain Ditch, Virginia Ditch, and Needle Rock Ditch. All water is decreed for irrigation and stock water uses only.

Type of Eligible Entity (check one)

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	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
x	**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: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes.

Type of Water Project (check all that apply)	
	Study
x	Construction
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. *Applicable Exhibit A Task(s):*	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. *Applicable Exhibit A Task(s):*	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. *Applicable Exhibit A Task(s):*	
x	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. *Applicable Exhibit A Task(s):* *Task 2 – Construction* *Task 3 -Construction Management*	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. *Applicable Exhibit A Task(s):*	
	Other	Explain:

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Location of Water Project	
Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Delta County, Colorado and Montrose County, Colorado
Latitude	Latitude: 38°44'23.3"N
Longitude	Longitude: 107°36'52.4"W

Water Project Overview
Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.
Replace approximately 9,000 feet of open, earthen, and leaking Aspen Canal with closed HDPE pipe. Timeline is approximately 3 years (Start Date: 01/01/20; End Date: 12/31/22). The Lower Aspen Canal provides irrigation water for grass pasture and hay crops. Benefits include improved management of 10,000 ac-feet of water, the conservation of almost 220 ac-feet previously lost to seepage, reduction of 369 tons of salt (Reclamation) and 24 lbs selenium loading to the Colorado River System. Selenium reduction benefit is 24-36% of the 66 lb reduction required to meet chronic aquatic life standards in the Cottonwood Creek drainage (Total Maximum Daily Load 2011). This project is consistent with goals and objectives of federal mitigation requirements identified in the Aspinall Unit Re-operations Programmatic Biological Opinion (PBO), provides significant downstream benefits to endangered fish critical habitat and endangered fish Recovery Program goals, and is a Tier 1 GBIP Project. CWP grant funds will be used specifically to purchase materials (e.g. pipe) and for construction management services.

Measurable Results	
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:	
	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive

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	Existing Storage Preserved or Enhanced (acre-feet)		
	Length of Stream Restored or Protected (linear feet)		
220 AF/Year	Efficiency Savings (indicate acre-feet/year OR dollars/year)		
	Area of Restored or Preserved Habitat (acres)		
	Quantity of Water Shared through Alternative Transfer Mechanisms		
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning		
	Number of Coloradans Impacted by Engagement Activity		
9,000 ft	Other	Length of Pipe Installed/Canal Improved	

Water Project Justification

Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

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The Lower Aspen Canal Piping Efficiency Project conforms to and meets four of the measurable objectives set forth in the **Colorado Water Plan** (page 6-155)**,** including:

- Basin Implementation Plan (BIP) Project Support – The Aspen Canal Piping Project was identified as a Tier 1 priority project in the Gunnison Basin Implementation Plan both as a part of the Federal Smith Fork Project and the Colorado River Storage MOA Project.

- Climate Change Incorporation – This project seeks to mitigate the impact of climate change by addressing ongoing drought in the Lower Gunnison Basin by utilizing existing resources efficiently and making available additional water previously lost to seepage.

- Update and improve Colorado's aging agricultural infrastructure – This project proposes to replace approximately 9,000 feet of the open, earthen, and leaking Aspen Canal delivery system with closed, 10" to 30" HDPE pipe and to construct an 800-foot delivery Interconnection between the Aspen Canal and the West Lateral Feeder with 36" pipe.

- Encourage ditch-wide and regional planning – This project is a critical component of a large, comprehensively planned irrigation system modernization project, spearheaded by CWCD, Reclamation, Colorado River District and the Colorado Water Conservation Board.

In addition, the Lower Aspen Canal Piping Efficiency Project supports the objectives of the most recent Statewide Water Supply Initiative(SWSI) by:

- Meeting Agricultural Demands (page 7)
- Optimizing Existing and Future Water Supplies (page 7)
- Providing Operational Flexibility and Coordinated Infrastructure
- Complying with all Applicable Laws and Regulations
- Identifies and utilizes existing and new funding opportunities to assist in implementing projects and methods to meet Colorado's consumptive and non-consumptive water supply needs" (page 8) in that it combines funding from federal, state, and local sources to meet natural resource goals of the basin.

The Lower Aspen Canal Piping Project is a Tier 1 priority project in the Gunnison Basin Implementation Plan (GBIP). It also conforms to and meets the goals of the GBIP by "Improving agricultural water supplies to reduce shortages" and "restoring, maintaining, and modernizing critical water infrastructure…" (page 4).

The Lower Aspen Piping Project was originally planned for construction utilizing CRSP MOA funds and Reclamation completed all engineered plans and cost estimation, and NEPA and Cultural Resource compliance (FONSI signed February 2019). Unfortunately, the State of Colorado CWCB informed the applicant that the CRSP MOA funds originally targeted for this project had to be used to complete current CRSP projects in progress that were over-budget. With your (CWCB) support and partnership this project can be made whole again.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

The Federal **Selenium Management Program (SMP)** in the Gunnison Basin has had significant success implementing BMPs that have measurably reduced selenium loading through targeted off-farm selenium control projects (40% load reduction in the Gunnison Basin at Whitewater since 1986, USGS Selenium Trend Study, 2018).

Gunnison Basin Selenium TMDL (2011): The TMDL quantifies load reduction targets for the Cottonwood Creek drainage. This project will reduce an estimated 24 lbs selenium loading to the Colorado River System which is 24-36% of the necessary 66 lb reduction required to meet chronic aquatic life standards in the Cottonwood Creek drainage. This project has generous funding support from the Colorado Water Quality Control Division, Non Point Source Program ($445,000 – Total Award).

Salinity Control Program: This project will result in measurable water-quality and quantity improvement including the elimination of 369 tons of salt load and the conservation of up to 220 acre-feet of additional annual water supply due to elimination of seepage loss. This project is a critical component of a large, comprehensively planned, irrigation system modernization project, cooperatively spearheaded by the CWCD, Reclamation and Colorado River District and supported by the CWCB (See Lower Gunnison Project description below).

Reclamation Water Management Plan (2008) and Crawford Master Plan (2016): The Lower Aspen Canal is identified as a high priority area for delivery system improvement (e.g. piping) in both the Reclamation Water Management Plan and CWCB funded Crawford Master Plan. In addition, the Master Plan also identifies SCADA implementation throughout key points in the Smith Fork area. A preliminary SCADA Master Planning process for the Crawford Focus area, a component of the Lower Gunnison Project RCPP, expands/leverages the benefits of this irrigation water management project.

USGS Cottonwood Creek Loading Analysis (2008): Identified Cottonwood Creek as the highest selenium loading sub-basin in the Smith Fork Watershed and a targeted priority area for implementation by the Gunnison Basin Selenium Task Force.

Smith Fork of the Gunnison Watershed Assessment, WSCC, 2016.

Gunnison Basin Implementation Plan: Identified as a Tier 1 project.

Lower Gunnison Project: The proposed project is well aligned with, and coordinated with several overlapping complementary piping and irrigation water management control efforts in the area (Please see Map in Appendix B which highlights those projects and their inter-related, but non-duplicative nature). Cooperators in the Smith Fork have been brought together under the LGP RCPP with the express purpose of facilitating communication, optimizing the system, and leveraging resources. Community objectives related to water quality and quantity improvement are directly aligned with the purposes of the proposed project priorities.

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Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

Applicant Name: Colorado River District
Water Activity Name: Crawford WCD System Optimization Master Plan
Funding through the Colorado Species Conservation Trust Fund (No RT approval required)
CWCD Board Meeting Date — Unknown
FY 2015 contract for funds Contract Number - #CTGG1 2015-3110

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

The Crawford Water Conservancy District passed ballot measure 60 in 2018 De-Brucing the district, therefore there are no TABOR issues for the applicant.

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Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.
Exhibit A	
X	Statement of Work(1)
X	Budget & Schedule(1)
X	Engineer's statement of probable cost (projects over $100,000)
X	Letters of Matching and/or Pending 3rd Party Commitments(1)
Exhibit C	
	Map (if applicable)(1)
	Photos/Drawings/Reports
	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) (2)
	Certificate of Good Standing with Colorado Secretary of State(2)
	W-9(2)
	Independent Contractor Form(2) (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application(1)

(1) Required with application.
(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	**July 14, 2019**
Name of Grantee:	**Lower Aspen Canal Piping Efficiency Project**
Name of Water Project:	**Crawford Water Conservancy District**
Funding Source:	**Colorado Water Plan Grant**

Water Project Overview: Include a description of the overall water activity and specifically what the WSRF funding will be used for.

Replace approximately 9,000 feet of open, earthen, and leaking Aspen Canal with closed HDPE pipe. Timeline is approximately 3 years (Start Date: 01/01/20; End Date: 12/31/22). Benefits include improved management of approximately 10,000 ac-feet of water, the conservation of almost 220 ac-feet previously lost to seepage, reduction of 369 tons of salt (Reclamation) and an estimated 24 lbs selenium loading to the Colorado River System. The selenium reduction benefit is 24-36% of the necessary 66 lb reduction required to meet chronic aquatic life standards in the Cottonwood Creek drainage (Selenium Total Maximum Daily Load, 2011). This project is consistent with the goals and objectives of federal mitigation requirements identified in the Aspinall Unit Re-operations Programmatic Biological Opinion (PBO), provides significant downstream benefits to endangered fish critical habitat and endangered fish Recovery Program goals, and is a Tier 1 GBIP Project.

Colorado Water Plan grant funds will be used to purchase materials (e.g. pipe) and construction management services. CWP funds will essentially assist in "buying-down" the cost of the Salinity grant request which is based upon cost/ton salt removed thereby ensuring success in the FOA. If there is no Salinity award, Crawford is preparing for a CWCB loan to cover project costs.

Project Objectives:

- Replace approximately 9,000 feet of the open, earthen, and leaking Aspen Canal delivery system, updating and improving aging agricultural infrastructure, with closed, 10" to 30" HDPE pipe (Consistent with GBIP and Crawford 2016 Master Plan goals).
- Reduce selenium loading in the Cottonwood Creek drainage by 24-36% (estimated 24 lbs/year reduction benefit) consistent with CO Non-Point Source Program overarching objectives which are to restore impacted water bodies and protect existing water-quality from future non-point pollution (NPS 2018 Program Goals; Gunnison Basin Se TMDL, 2011).
- Reduce salt loading by 369 tons/year in support of Salinity Control to the Colorado River System (Lower Gunnison Basin Salinity Control Priority Area).
- Address problems with the lower Aspen Canal, including reducing seepage and providing more effective water distribution through better farm headgate measurement (CWP – Aging agricultural infrastructure)
- Address water measurement issues and provide better information and real-time data (SWSI)

Mitigate the impact of climate change and on-going drought in the Lower Gunnison Basin by utilizing existing resources efficiently and making available additional water previously lost to seepage (CWP - BIP support).

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Tasks
Task 1 – Engineering and Permitting
Description of Task:
Obtain final design, cost estimate, standards and specifications, and environmental and cultural resource compliance for the Lower Aspen Canal pipeline that were completed by the U.S. Bureau of Reclamation under 2018-2019 Colorado River Storage Project planning activities.
Method/Procedure:
1) Contact Josh Dunham, engineer, U.S. Bureau of Reclamation to obtain final design, cost estimate, and standards and specifications (Permission to use designs and cost estimates, personal communication Mark Wernke, Reclamation Western Colorado Area Office); 2) Contact Reclamation Permitting and Compliance office to obtain a copy of the signed 2019 FONSI for the Aspen Canal improvements. 3) Hire engineering firm to oversee construction management and preparation of bid packets.
Deliverable:
1) Engineered Plans, construction specifications, contract with engineering firm, and FONSI. 2) Submittal of engineered plans and construction specifications signed and stamped by a licenses and registered Colorado engineer; 3) Copy of FONSI; and 4) Engineering firm selection for construction management.

Tasks
Task 2 – Construction
Description of Task:
Construct 9,000 feet of enclosed HDPE pipeline on the Lower Aspen Canal
Method/Procedure:
1) Solicit public bids for contractor to complete construction of the Lower Aspen Canal. 2) Procure Materials 3) Construct 9,000 feet of enclosed pipeline on the Lower Aspen Canal

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Tasks
Deliverable:
1) Contract with construction firm. 2) Copy of Material Invoices 3) Photo documentation of completed portions of the Lower Aspen Canal 4) Final inspection and close-out documentation

Tasks
Task 3 – Construction Management
Description of Task:
Conduct construction management activities in support of the Lower Aspen Canal pipeline implementation.
Method/Procedure:
1) Prepare materials bid packet, release bid packet 2) Obtain any necessary local permits (i.e. county road crossing permits) 3) Manage project, conduct inspections, prepare regular construction progress reports, and review and approve vendor invoices.
Deliverable:
1) Materials bid packet 2) 9,000 feet of pipeline constructed on Lower Aspen Canal 3) Copies of inspection reports and permits 4) Construction progress reports

Tasks
Task 4 – Grant Administration
Description of Task:
Conduct on-going grant administration activities throughout project performance period.
Method/Procedure:

Tasks
1) Create budget tracking spreadsheet to track project expenditures and in-kind services or cash matching commitments and receipts; 2) Submit regular invoices for reimbursement to CWCB; 3) Provide all supporting documentation including vendor invoices, in-kind services or cash match documentation, and identified project deliverables; and 4) Submit semi-annual progress reports and final project report as required.
Deliverable:
1) Budget tracking spreadsheet (on-going expenditure and match tracking) 2) Match tracking supporting documentation 3) Regular reimbursement requests to CWCB with brief progress report and supporting documents 4) Deliverables as identified in application 5) Semi-annual reports and final project report.

Tasks
Task 5 - Project Evaluation & Data Management (NPS Program Requirement)
Description of Task:
Conduct water-quality monitoring program in Cottonwood Creek as part of the requirements under the State of Colorado Non-Point Source Program (NPS) grant program to document measurable results.
Method/Procedure:
1) Work with the Colorado River District and federal Selenium Management Program partners to revitalize the USGS water-quality monitoring site previously occupied on Cottonwood Creek which is a high priority site in the Smith Fork basin. 2) Water-quality summary reports to the NPS program.
Deliverable:
1) Species Conservation Trust Fund, USGS, and River District Joint Funding Agreement (JFA) in support of the Cottonwood Creek monitoring; and 2) Interim and final water-quality monitoring summary reports prepared by USGS and submitted to NPS Program.

Tasks
Task 6 – Education and Outreach (NPS Program Requirement)
Description of Task:
Conduct regular and on-going education and outreach activities highlighting the Lower Aspen Canal Pipeline Project goals and objectives. (State of Colorado Nonpoint Source Grant activity requirement – not seeking funding from CWP.)

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Tasks
Method/Procedure:
1) Cooperate with the Colorado River District to prepare (2) Newspaper articles or Gunnison Basin Water Website newsletter articles highlighting the Lower Aspen Canal pipeline project; and 2) Cooperate in providing project updates and/or presentations (2) to entities such as the GBRT, Crawford Board, Colorado River District Board, NPS Program, etc. 3) Educate the public about the importance of efficiency, proper water management, and water-quality improvement to local streams and agricultural communities.
Deliverable:
1) Gunnison Basin Water Website Project Updates and Highlights (2) 2) Public presentation to Colorado River District Board and others as requested (minimum 2)

Budget and Schedule
This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements
Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status 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 Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that: • Summarizes the project and how the project was completed. • Describes any obstacles encountered, and how these obstacles were overcome. • Confirms that all matching commitments have been fulfilled. • Includes photographs, summaries of meetings and engineering reports/designs. The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

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Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:
(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.
(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.
(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.
(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

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Department of Natural Resources

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Water Plan Grant - Exhibit B
Budget and Schedule

Prepared Date: July 27, 2019

Name of Applicant: Crawford Water Conservancy District

Name of Water Project: Lower Aspen Canal Piping Project

Project Start Date: January 1, 2020

Project End Date: December 31, 2022

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Engineering & Permitting	1/1/2020	5/31/2020		167,300	$167,300
2	Construction	1/1/2020	12/31/2022	$237,000	$1,017,750	$1,254,750
3	Construction Management	1/1/2020	12/31/2022	$37,000	$243,000	$280,000
4	Grant Administration	1/1/2020	12/31/2022		$16,500	$16,500
5	Evaluation & Data Management	1/1/2020	12/31/2022		$38,500	$38,500
6	Education & Outreach	1/1/2020	12/31/2022		$6,000	$6,000
			Total	$274,000	$1,489,050	$1,763,050

July 17, 2019

Colorado Water Conservation Board
1313 Sherman Street
Denver, CO 80203

Re: Crawford Water Conservancy District Application for Water Plan Grant Funds

Dear Members of the Colorado Water Conservation Board,

I am writing to inform you of the Gunnison Basin Roundtable's support for the Crawford Water Conservancy District Lower Aspen Canal Piping Efficiency Project application for Water Plan Grant Funds.

The intent of the project is to pipe a 9000 ft section of the Lower Aspen Canal in the Crawford WCD area. This is part of a larger efficiency improvement upgrade to the Crawford system which will have multiple benefits including improvements to water quality through salinity reduction, improved agricultural deliveries, and improvements to riparian health and the environment.

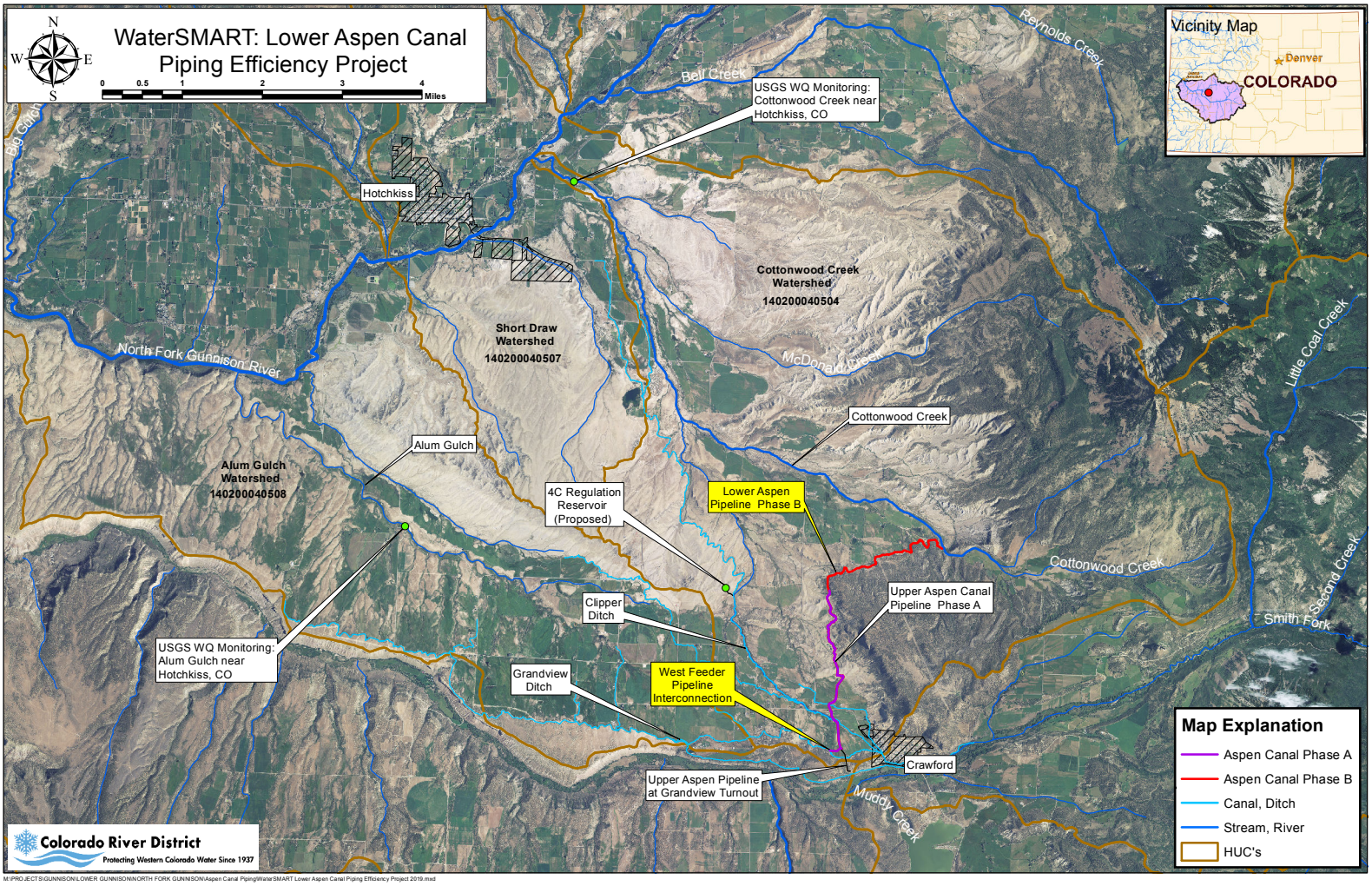
The Gunnison Basin Implementation Plan identifies this project as a Tier 1 project which would improve irrigation efficiency and support agricultural water use. In addition, the project will leverage federal and state funds and the applicants are willing to secure a loan to complete the project if there are shortfalls.

We hope that this project receives a favorable review and appreciate your consideration. If you need additional information or have any questions please let us know.

Sincerely,

Kathleen Curry

Kathleen Curry, Chair
Gunnison Basin Roundtable
54542 US Highway 50
Gunnison, CO 81230
kathleencurry@montrose.net
Cell 970-209-5537



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