COLORADO WATER CONSERVATION BOARD

WATER SUPPLY RESERVE ACCOUNT
2009-2010 GRANT APPLICATION FORM

Lake San Cristobal Outlet Structure

Name of Water Activity/Project

Approving Basin Roundtable: Gunnison

$ 150,000	**Total Amount of Funds Requested**	**Amount from Statewide Account**	
		Amount from Basin Account	$ 150,000

Application Content

Attachments

1. Reference Information
2. Insurance Requirements (Projects Over $100,000)
3. WSRA Standard Contract (Projects Over $100,000)
4. W-9 Form (Required for All Projects)

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable AND the Colorado Water Conservation Board (CWCB). The process for Basin Roundtable consideration/approval is outlined in Attachment 1.

Once approved by the local Basin Roundtable, the applicant should submit this application, a detailed statement of work, detailed project budget, and project schedule to the CWCB staff by the application deadline.

The application deadlines are:

- Basin Account – 60 days prior to the bi-monthly Board meeting
- Statewide Account – 60 days prior to the March and September Board meeting

Board Meeting Dates	Basin Account Deadlines	Statewide Account Deadlines
3/17 - 3/18/2009	1/16/2009	1/16/2009
5/19 - 5/20/2009	3/19/2009	n/a
7/21 - 7/22/2009	5/21/2009	n/a
9/15 - 9/16/2009	7/15/2009	7/15/2009
11/17 - 11/18/2009	9/17/2009	n/a
January 2010	11/15/2010	n/a
March 2010	1/15/2010	1/15/2010
May 2010	3/15/2010	n/a

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: http://cwcb.state.co.us/IWMD.

The application, statement of work, budget, and schedule must be submitted in electronic format (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Mr. Todd Doherty
Colorado Water Conservation Board
Intrastate Water Management and Development Section
WSRA Application
1580 Logan Street, Suite 600
Denver, CO 80203
Todd.Doherty@state.co.us

If you have questions or need additional assistance, please contact Todd Doherty of the IWMD Section at 303-866-3441 x3210 or todd.doherty@state.co.us.

Water Supply Reserve Account – Grant Application Form
Form Revised March 2009

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

1. Applicant Name(s): Frank Kugel, General Manager
Lake San Cristobal Water Activity Enterprise (LSCWAE)

Mailing address: PO Box 1330
234 N. Main Street, Suite 3C
Gunnison, CO 81230

Taxpayer ID#: 84-0925208 Email address: fkugel@ugrwcd.org

Phone Numbers: Business: 970-641-6065
Home: 970-209-6141 (cell)
Fax:

2. Person to contact regarding this application if different from above:

Name:

Position/Title

3. Eligible entities that may apply for grants from the WSRA 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.
XX	Public (Districts) – special, water and sanitation, conservancy, conservation, irrigation, or 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.

4. Provide a brief description of your organization

The Lake San Cristobal Water Activity Enterprise (LSCWAE) consists of the Upper Gunnison River Water Conservancy District (UGRWCD), Hinsdale County, and the Town of Lake City. The LSCWAE was formed in 2009 to develop the top three feet of storage in Lake San Cristobal for augmentation purposes. Plans are for project costs incurred by the Enterprise to ultimately be recouped through the sale of augmentation certificates.

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

A contracting entity - Buckhorn Geotech Inc. - provided the design for the structure. Installation of the system will be put to public bid in accordance with procurement policy.

6. 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 copy of this standard contract is included in Attachment 3. Please review this contract and check the appropriate box.

x	**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.

7. 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.

All three entities have successful obtained voter approval to be exempt from the provisions of TABOR.

Part B. - Description of the Water Activity

1. Name of the Water Activity/Project:

Lake San Cristobal Outlet Structure

2. What is the purpose of this grant application? (Please check all that apply.)

☐ Environmental compliance and feasibility study

☐ Technical Assistance regarding permitting, feasibility studies, and environmental compliance

☐ Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs, projects

Study or Analysis of:

- ☐ Structural project or activity
- ☐ Nonstructural project or activity
- ☐ Consumptive project or activity
- ☐ Nonconsumptive project or activity

3.

☒ **Structural and/ or nonstructural water project or activity**

3. 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.

This grant request funding will be used to install a structure at the outlet of Lake San Cristobal for water storage augmentation. This project will also allow the Lake San Cristobal Water Activity Enterprise to monitor and enhance river flow for fisheries and maintain wetlands.

Lake San Cristobal (LSC) is Colorado's second largest natural lake and is located on the Lake Fork of the Gunnison River in Hinsdale County, Colorado. It is located approximately 3.5 miles SE of Lake City in the NE ¼ of the SW ¼; Section 15; T 43 N; R 4 W, of the New Mexico Principal Meridian, with a latitude of 37 degrees, 59' 02" N and longitude of 107 degrees 17' 32" W.

The existing LSC outlet structure consists of large igneous boulders placed in the stream channel at the lake's outlet. The boulders are removed by Hinsdale County Road and Bridge staff during the spring runoff, approximately April to June, each year to allow runoff flow to enter the Lake Fork. Operational level for the proposed outlet during spring runoff will be 8992.0 which is the approximate current stream channel elevation. A new outlet structure will be constructed at the site of the boulder outlet structure to provide water storage for the owner. When filled to the high water line, Lake San Cristobal will encompass approximately 341 surface acres and store approximately 951 acre-feet in the operational level between 8992.0 and 8995.0.

The jurisdictional height of the outlet structure will be 3 feet at the outlet crest elevation of 8995.0 feet with a related surface area of 341 acres. Reservoir volume control will be regulated by the operation of four 16-foot Obermeyer™ gate sections either in unison or individually to provide continuous flow into the Lake Fork of the Gunnison River as mandated by the Operations Plan. The gate sections can be operated either by remote control or manually on site. This will allow emergency management of the outlet or when the owner needs to release reservoir storage to downstream water rights to offset junior depletions.

The proposed structure will consist of a concrete foundation installed in the native gravel soils at the outlet with four (4) 16-foot Obermeyer™gate sections anchored onto the concrete foundation. The operation of each gate is controlled by a dedicated air-supply line from an in-ground control vault in the adjacent parking lot to the west of the outlet. Each gate can be operated independently or in unison depending on the LSCWAE's operations plan. In the event of air loss, the gates will deflate and lower to the minimum operations level of 8992.0 feet. Alarms, linked to the UGRWCD office in Gunnison, Colorado, and located on the air lines in the control vault will warn the operator of air loss so that the gates can be mechanically stabilized to prevent further water loss.

Part C. – 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.)

   This application requests funds for analysis of a structural project to provide water for both consumptive and nonconsumptive water needs in the Upper Gunnison basin. The project is consistent with Section 37-75-102 C.R.S. and will fully comply with the Prior Appropriation Doctrine of the State of Colorado, while providing a reliable source of replacement water for a basin-wide plan of augmentation.

   a) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRTs evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by

the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

This application is pending GBRT approval.

b) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.[1] Specifically describe how the water activity either furthers the Roundtable's basin-wide water needs assessment or meets a consumptive or non-consumptive water supply need identified in the Roundtable's working needs assessment.

As listed in Table 10-29 in the SWSI Phase I report, the Lake San Cristobal project would provide augmentation water for internal calls on the Lake Fork, as well as downstream calls on the Gunnison River. The Lake San Cristobal Outlet Structure Project will develop unappropriated water for use in the Lake Fork and Upper Gunnison basins.

c) Matching Requirement: For requests from the Statewide Fund, the applicants is required to demonstrate a 20 percent (or greater) match of the request from the Statewide Account. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCB. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in Part D of this application)

Not applicable. Request is for Basin Funds only.

2. For Applications that include a request for funds from the Statewide Account, describe how the water activity meets the **Evaluation Criteria.** (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

[1] 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

Promoting Collaboration & Cooperation

This water activity enterprise consists of the Upper Gunnison River Water Conservancy District, Hinsdale County, and the Town of Lake City to address multiple needs, including consumptive and nonconsumptive needs. The project will allow the Lake San Cristobal Water Activity Enterprise to monitor and enhance river flow for fisheries and maintain wetlands. Other interested participants in this project include the Colorado Division of Wildlife, the Lake Fork Valley Conservancy, the Army Corps of Engineers, the Bureau of Land Management, and the citizens of the Upper Gunnison River watershed. The primary economic driver in Hinsdale County is tourism which includes outdoor recreation.

Facilitating Water Activity Implementation

If our efforts in seeking funding are successful, this project will move forward in a timely manner. Given our current economic climate and the trend of dry conditions, there is an urgency of need with this project and for this funding. Once construction begins, it should take four to six months to complete. The Lake San Cristobal Water Activity Enterprise has the expertise & ability to implement the proposed activity using approved contractors. We would provide matching funds of $292,659, assuming the availability of $140,000 in Colorado River Water Conservation District grant funding, and are prepared to fund the additional $140,000 if River District funds are not available. Both Hinsdale County and the Town of Lake City have limited tax base and the successful implementation of projects often relies on outside funding. Our ability to adequately address existing and future water needs is significantly affected by our limited financial resources.

Meeting Water Management Goals and Objectives and Identified Water Needs

A needs evaluation has been completed and this project correlates to these needs. This proposed activity will help meet Colorado's future water needs, as well as promote water conservation and efficiency by allowing and controlling outflow. This project promotes water conservation and efficiency, ties to an existing water conservation plan and will make new water available for use.

Water Activity Addresses Issues of Statewide Value

This proposed activity will meet environmental and recreational needs as well as provide additional storage rights for citizens of the Upper Gunnison River watershed. There will a measureable benefit to in-stream flows as a result of this project. The installed structure will provide for monitoring and enhancing river flow for fisheries and to maintain wetlands. This project is complementary to other CWCB programs and provides benefit to Colorado. The importance of tourism, fisheries and outdoor recreation in the Upper Gunnison as well as the state of Colorado is well understood. By augmenting the storage opportunities at Lake San Cristobal, we can positively affect the storage capabilities in Blue Mesa Reservoir, increasing tourism & recreational opportunities.

Part D. – Required Supporting Material

1. Water Rights, Availability, and Sustainability

This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights and the name/location of water bodies affected by the water activity.

The proposed structure will be installed at the outlet of Lake San Cristobal on the Lake Fork of the Gunnison River, Hinsdale County, Colorado. The proposed structure will consist of a concrete foundation installed in the native gravel soils at the outlet with four (4) 16-foot Obermeyer™gate sections anchored onto the concrete foundation. In addition to the outlet gates and their control vault, the system components include a downstream gaging station.

An application for conditional storage rights in Lake San Cristobal is pending in Division 4 Water Court under Case Number 03CW108.

2. Please provide a brief narrative of any related or relevant previous studies.

- **Design and Instrumentation Report for Lake San Cristobal Outlet, Dam I.D. No. 620110, Water Division #4, Water District #62, Hinsdale County, Colorado, December 2009 (attached)**
- **Upper Gunnison River Water Conservancy District, District Manual, August 2009 (www.ugrwcd.org)**
- **Water Right Yield and Marketable Yield Analysis for a Potential Lake San Cristobal Enlargement, Slattery Aqua Engineering, September 16, 2008**
- **In-process - NEPA Study (BLM)**
- **Additional water quality studies for Lake San Cristobal**

3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.

Please provide a detailed statement of work using the following template. Additional sections or modifications may be included as necessary. Please define all acronyms. If a grant is awarded an independent statement of work document will be required with correct page numbers.

Statement of Work

WATER ACTIVITY NAME - Lake San Cristobal Outlet Structure

GRANT RECIPIENT – Lake San Cristobal Water Activity Enterprise (LSCWAE)

FUNDING SOURCE – Grant-seeking efforts for Water Supply Reserve Account and Colorado River District grants. Remaining funds will come from Town of Lake City, Hinsdale County, and the Upper Gunnison River Water Conservancy District.

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to no more than 200 words; this will be used to inform reviewers and the public about your proposal)

The proposed structure is to be located at the outlet and spillway of Lake San Cristobal, Hinsdale County. The proposed structure will consist of a concrete foundation installed in the native gravel soils at the outlet with four (4) 16-foot Obermeyer™gate sections anchored onto the concrete foundation. The operation of each gate is controlled by a dedicated air-supply line from an in-ground control vault in the adjacent parking lot to the west of the outlet. Each gate can be operated independently or in unison depending on the LSCWAE's operations plan.

OBJECTIVES

- **Develop a water storage right by installing a structure at the outlet of Lake San Cristobal for water storage augmentation for the citizens of Hinsdale County, the Town of Lake City, and the Upper Gunnison River watershed.**

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Seek appropriate permits.

Description of Task

Required project permits are:

(a) Right-of-way access permit from the Bureau of Land Management (BLM) who manages federal property adjoining Lake San Cristobal and the outlet area.

(b) Hinsdale County Special Use permit – For approval to construct those portions of the outlet structure located on Hinsdale County property.

(c) US Army Corps of Engineers (USACE) Nationwide Permits for:

(i) NWP #5 – Weir installation in-channel

(ii) NWP #7 – Obermeyer™ gate installation in-channel
(iii) NWP #13 – Bank stabilization
(iv) NWP #33 – Temporary construction access and dewatering

Method/Procedure

Secure all appropriate permits.

Deliverable

Permits secured.

TASK 2 – Prepare site.

Description of Task

The outlet site is currently occupied by boulders placed to impound water to an approximate maximum elevation of 8995.0 feet. The outlet area was investigated to determine its construction and suitability for incorporation into the new structure. Discovery via boring showed that the existing outlet material, once scarified, processed, and re-compacted, would be suitable subgrade for the concrete foundation of the new gates. The removal of the existing rock outlet will provide the opportunity to fully access the foundation condition of the proposed outlet structure.

Method/Procedure

The jurisdictional height at outlet centerline, from existing ground (8992.0) to the gate crest (8995.0), is 3.0 feet. The onsite foundation soil consists of clayey, sandy gravel (GP-GC). These granular soils are anticipated to be up to 15 feet thick under the proposed outlet foundation site. The granular soils overlay fine-grained clay, silty soils (SM). The gravel soils will be scarified, moisture conditioned as needed and re-compacted to 95% of maximum density of a Modified Proctor as discussed in the geotechnical report. Foundation soils must be free of organic matter, oversize material, debris, snow, ice, frozen soil and other deleterious material. The Geotechnical Report outlines the soil properties of the outlet foundation materials

The foundation soils within the entire footprint shall be proof-rolled with a tamping foot or sheep-foot roller to identify any soft or compressible soils. If soft or compressible soils are identified they shall be removed. Protruding boulders encountered at the foundation level that would affect compaction of fill must be removed. The foundation soil surface shall be scarified 12 to 18 inches and moisture conditioned, as necessary, to provide stable conditions for foundation concrete placement.

Deliverable

Site is prepared.

TASK 3 – Divert river during construction.

Description of Task

Per the recommendation of US Bureau of Reclamation, *Design of Small Dams,* 1987, chapter 11, the Contractor will provide a diversion plan at least 10 days prior to scheduled start of construction in the stream channel. That plan will detail the Contractor's options for dewatering the stream channel during construction, maintain stream flows and protect the construction site and downstream landowners in the event of flooding during construction. The height of all diversion structures will accommodate the design flood elevation of 9001.11 feet as identified in the project hydrology report prepared by Buckhorn Geotech. All diversion structures, by-pass pipes, ditches, etc. shall be inspected by the Contractor and Engineer on a daily basis and maintained for the duration of the project. Construction is planned for during the autumn months when stream flows are historically near their annual low.

Method/Procedure

Review diversion plan & implement.

Deliverable

River diverted during construction.

TASK 4 – Install outlet structure.

Description of Task

The Obermeyer™ outlet is a lateral arrangement of four (4) 16-foot sections of curved steel gates whose elevations are managed by pneumatically controlled High Density Polyethylene (HDPE) bladders with independent airlines to each bladder. The gates can be operated in unison or independently in order to manage outlet flows.

The outlet will discharge into the natural stream channel with native igneous boulders acting as energy dissipaters. The Obermeyer™ gate structure will act as a continual spillway to allow water to overflow the structure and provide historic stream flows for the Lake Fork. Those flows will be approximated during the first year of operation until the LSCWAE operations plans can be modified to balance stream flow requirements of the downstream ecosystems demands with storage requirements of the LSCWAE.

Method/Procedure

***Foundation*: Structural analysis of the proposed outlet foundation was performed using current IBC standards for structural design. Both sliding and overturning moment failure modes were analyzed and the concrete foundation design provides a minimum factor of safety of 1.5 for both potential failure modes.**

***Crest*: Since the outlet structure consists of a thin, ½ inch, curved steel plate held in position by pneumatically controlled air bladders, the crest width is minimal. The outlet structure is designed to close to a maximum elevation of 8995 feet but for operational purposes will be set at some elevation less than 8995 feet to allow water to continuously spill from Lake San Cristobal into the Lake Fork stream channel. An operations plan, which will be a dynamic document in order to balance the demands of both the Lake Fork ecological water requirements as well as the storage requirements of the LSCWAE, is included in Appendix C of this report. That plan outlines typical seasonal crest elevations to accommodate historic runoff levels as well as storage requirements.**

***Slope Protection:* The entire upstream face of the outlet foundation will be constructed below the existing stream channel elevation of 8992 feet. Native boulder rip-rap will be installed both upstream and downstream of the outlet structure to provide (a) protection from scour and (b) natural habitat for aquatic species and (c) landscaping of the outlet for visual aesthetics. The maximum riprap protection level will be approximately 8993.5 feet. The riprap will extend down to an elevation of 8992 feet.**

The downstream channel will remain as is with the exception of the random placement of existing igneous boulders for fish habitat and energy dissipation from the outlet flow.

***Freeboard:* No freeboard will be provided by the outlet gate since water will continuously spill over the top of the gate at all operational levels.**

Deliverable

Outlet structure will be installed.

TASK 5 – Ensure quality control.

Description of Task

In compliance with Rules 9.2.2 and 9.2.3, Buckhorn Geotech, Inc. will be retained by the owner to perform construction inspection, material testing and post-construction reporting. This will seek to oversee quality assurance and implement a quality control plan.

Method/Procedure

Construction inspection will be daily with materials testing of soils and concrete as required by the project specifications included herein. The owner's engineer will receive and review those

reports daily and no work shall progress if any tests or observations fail to meet project specifications. All daily observation reports and materials test results will be included in the final construction report as required in Rule 10.2.3 of the Rules and Regulations for Dam Safety and Dam Construction

Deliverable

Quality assurance and quality control plan will be evident throughout all aspects of project implementation.

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 may contain photographs, summaries of meetings and engineering reports/designs.

BUDGET

Total Costs				
	Labor	Other Direct Costs	Matching Funds (If Applicable)	Total Project Costs
Task 1 – Seek appropriate permits.				
Task 2 – Prepare site.		Excavation On-site fill, placement & compaction Class 6 aggregate base course, placed/compacted Rip-Rap reinforcement of banks Concrete Weir Landscaping Project signs Mobilization Project staking/survey		$ 1,200.00 1,500.00 900.00 9,000.00 14,000.00 24,000.00 2,000.00 50,000.00 5,000.00
Task 3 – Divert river during construction		Dewatering & diversion structures of weir and outlet structure Temporary dewatering for vault installation		60,000.00 5,000.00
Task 4 – Install outlet structure.		Obermeyer Gate with PLC Control, compressor Pre-case concrete vault with access hatch, stairs, lights, etc. Colored concrete for anchor wall Concrete for gate foundation Foundation construction with maintenance bollards Electric pole drop with transformer & meter 1-phase, 240V electric cable in 4-inch Schedule 80 conduit SCADA Telemetry Controls Security Camera with PC & DVR at vault		140,000.00 30,000.00 15,000.00 15,000.00 35,000.00 8,000.00 6,000.00 5,000.00 5,000.00
Task 5 – Ensure quality control.		20% Construction Contingency Engineering Services (5%) Construction Materials Testing (5%)		107,900.00 21,580.00 21,580.00
Total Costs:				**$ 582,660.00**

The Lake San Cristobal Water Activity Enterprise provides oversight for the project as an in-kind contribution.

Income for Project		
Source	Status	Amount
Water Supply Reserve	Grant request	$ 150,000
Colorado River District	Grant request	140,000
Town of Lake City	Secure	97,553
Hinsdale County	Secure	97,553
Upper Gunnison River Water Conservancy District	Secure	97,553
		$ 582,660.00

The three primary partners – Town of Lake City, Hinsdale County, and the Upper Gunnison River Water Conservancy District – will divide the remaining balance of the project following grant-seeking efforts.

SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

Task	Start Date	Finish Date
1 – Seek appropriate permits.	Ongoing	July 31, 2010
2 – Prepare site.	Once appropriate permits are in order.	September 30, 2010
3 – Divert river during construction.	Once site is prepared.	October 31, 2010
4 – Install outlet structure.	October 1, 2010	October 31, 2010
5 – Ensure quality control.	NTP	Throughout project

NTP = Notice to Proceed

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 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 5 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.

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

Signature of Applicant:

Print Applicant's Name: Frank J. Kugel, P.E.

Project Title: Lake San Cristobal Outlet Structure for Water Storage Augmentation

Return this application to:

Mr. Todd Doherty
Intrastate Water Management and Development Section
COLORADO WATER CONSERVATION BOARD
1580 Logan Street, Suite 600
Denver, CO 80203

To submit applications by Email, send to: todd.doherty@state.co.us