



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Contract CORE No. POGG1 2018-855
CMS #

April 13, 2018

Lakeside Estates Preserve Homeowners Assoc., Inc.
Attn: Lindsey Mueller, Treasurer
Chelsey Nutter, UAWCD Project Manager
P.O. Box 4454
Buena Vista, CO 81211

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your application for funding pursuant to the WSRF Grant Program ("Program") in the amount of \$28,910.00. This letter authorizes you to proceed with the Ice Lake Preservation & Augmentation Project ("Project") in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, Lakeside Estates Preserve Homeowners Assoc., Inc. agree by accepting the Grant Funds.

The WSRF Criteria & Guidelines can be located on our website for additional information.

If you have any questions or concerns regarding the project, please contact Ben Wade, Project Manager at 303-866-3441 ext. 3238 or at Ben.Wade@state.co.us. Please send the 6-month progress reports and invoices directly to the Project Manager and cc me at Dori.vigil@state.co.us.

Thank you.

Sincerely,

//s//

Doriann Vigil

Program Assistant II

O 303-866-3441 ext. 3250

1313 Sherman Street, Rm. 719, Denver, CO 80203

Dori.vigil@state.co.us / cwc.state.co.us

Attachments



STATE OF COLORADO
Department of Natural Resources

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ORDER

*****IMPORTANT*****

Number: POGG1,PDAA,201800000855

Date: 4/12/18

Description:

WSRF - PDAA 2500 ICE LAKE AUG_ARK RIV
BASIN

Effective Date: 04/12/18

Expiration Date: 07/31/20

The order number and line number must appear on all invoices, packing slips, cartons, and correspondence. Please review each line for its corresponding shipping/billing address and delivery instructions.

BUYER

Buyer:

Email:

VENDOR

LAKESIDE ESTATES PRESERVE HMOWNR ASS. INC
PO BOX 4454
BUENA VISTA, CO 81211

Contact: .

Phone: .

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$2,891.00	<input type="checkbox"/>

Description: WSRF - PDAA 2500 ICE LAKE AUG_ARK RIV BASIN

Service From: 04/12/18

Service To: 07/31/20

Delivery Instructions

FOB: FOB Dest, Freight Allowed

Delivery Date:

Ship To:

COLORADO WATER BOARD
CONSERVATION
1313 SHERMAN STREET, ROOM 718
DENVER, CO 80203

Bill To:

COLORADO WATER BOARD CONSERVATION
1313 SHERMAN STREET, ROOM 718
DENVER, CO 80203

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	\$26,019.00	<input type="checkbox"/>

Description: WSRF - PDAA 2500 ICE LAKE AUG_ARK RIV BASIN

Service From: 04/12/18

Service To: 07/31/20

Delivery Instructions

FOB: FOB Dest, Freight Allowed

Delivery Date:

Ship To:

Bill To:



STATE OF COLORADO
Department of Natural Resources

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COLORADO WATER BOARD
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DENVER, CO 80203

TERMS AND CONDITIONS

<https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions>

DOCUMENT TOTAL = \$28,910.00



Last Update: October 24, 2017

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	
Water Activity Name:	Ice Lake Preservation & Augmentation Project
Grant Recipient:	Lakeside Estates Preserve Homeowners Association, Inc
Funding Source:	WSRF Basin & Statewide Account
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.	
<p>Lakeside Estates Preserve Homeowners Association owns Franklin Reservoir a.k.a., Ice Lake. Ice Lake storage was decreed in 1969 with an appropriated date of 1882, but the rights are administered as a 1942 and are rarely in priority. Historically, Ice lake was used for ice manufacturing and was an important part of the Upper Arkansas Valley. After ice manufacturing was abandoned home sites were developed and the lake became an attractive recreational and water fowl habitat area.</p> <p>Due to heightened administration by the DEO, the Association was required to replace the evaporative losses from the Lake. The Association has acquired a water right located on Cottonwood Creek that may be repurposed to serve as a partial augmentation source. The water right acquired was being threatened by urban encroachment and can be preserved for continued use on Cottonwood Creek but will need to be changed to augmentation use. The reservoir will also be used for storage of fully consumable water that would be available for drought years.</p> <p>Ice Lake provides the best shallow open water habitat and corresponding emergent wetlands in Chaffee County. The Upper Arkansas Valley has limited wetland habitat and suitable habitat that is visible from migrants flying over the Valley. Ice Lake and its wetlands is a vital habitat for birds migrating and and is also critical habitat for many mammals in the area. If approved, WSRF would be utilized to assist the Association with preserving this important habitat through developing the augmentation requirements needed to preserve Ice Lakes. Funds would be utilized for a survey, data recording equipment, and a historic use analysis.</p>	
Objectives: (List the objectives of the project)	
<ul style="list-style-type: none">• Preserve Critical Habitat for Migrating Birds and Mammals• Preserve Historic Cultural Values Associated with Ice Lake• Install Equipment Needed to Properly Administer Water Rights• Increase Storage for Fully Consumable Water to be Utilized in Drought Years• Promote Integrated Water Management through a Partnership with Local Water Conservancy District	



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 – Bathymetric Survey</u>
Description of Task: A bathymetric survey and engineering stage capacity analysis will be conducted and utilized for the administration of water rights, and engineering design of control structures.
Method/Procedure: <ul style="list-style-type: none">• Conduct survey of Ice Lakes• Complete Engineering Stage Capacity Analysis
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Survey of Ice Lake and engineering stage capacity tables complete and delivered
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) This task will be documented in the progress report and will include survey results and stage capacity tables. This task will be reflected in the WSRF State/Basin budget and invoices for this task will be sent to the CWCB for reimbursement.



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 2 – Telemetry Station- Equipment & Installation</u>
Description of Task: Data collection equipment is needed to properly monitor lake levels on a consistent and reliable basis at Ice Lake. A telemetry station will be constructed and programed to deliver automated measurements to determine the appropriate augmentation demand needed. This station will provide efficiency and reliability to properly administer Ice Lake's augmentation requirements.
Method/Procedure: <ul style="list-style-type: none">• Order all needed equipment• Installation & Verification of all equipment and programing<ul style="list-style-type: none">○ DCP Equipment Verification and Programing○ Mast○ Grounding Equipment○ Housing○ Solar Power system○ Staff Gage○ Relay Station• Verification of telemetry station properly reporting to UAWCD database
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Successful installation, verification, and programming complete
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
This task will be documented in a progress report and final report with accompanying photos of successful installation. This task will be reflected in the WSRF State/Basin budget and invoices will be submitted to CWCB for reimbursement.



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3- Lake Releases & Control Structures</u>
Description of Task: Rehabilitation of lake releases and control structures are needed at Ice Lake. These new structures will provide the necessary equipment and structures needed to properly operate the reservoir and manage lake levels to meet demand.
Method/Procedure: <ul style="list-style-type: none">• Engineering design for control structure• Review of Engineering design• Installation of control structure
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final design for the Ice Lake control structure complete and reviewed. Successful installation and operations of control structures complete.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Control structure design and implementation will be documented in CWCB progress reports & final report with accompanying design and photos. This task will be reflected in the WSRF State/Basin budget and invoicing will be sent to the CWCB for reimbursement.



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 4- Augmentation Application Drafting</u>
Description of Task: Augmentation water is required to preserve the historic lake levels and habitat at Ice Lake. Lakeside Estates will be purchasing augmentation water through the Upper Arkansas Water Conservancy District. This task includes the drafting and submitting of augmentation applications. .
Method/Procedure: <ul style="list-style-type: none">• Augmentation application drafting• Augmentation application review• Augmentation application final
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Successful completion of all methods and procedures. Final augmentation application submitted to the Upper Arkansas Water Conservancy District.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Milestones, accomplishments and any setbacks will be discussed in all progress and final reporting. Attachments and documentation will be provided in the final report. This task will be reflected in the WSRF State/Basin budget and invoices will be sent to CWCB for reimbursement.



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 5- Historic Use Analysis</u>
Description of Task: <p>To offset the amount of annul augmentation water that will need to be purchased by Lakeside Estates each year, Lakeside Estates has purchased an irrigation water right that will be repurposed for augmentation use. A historical use analysis is required for this process.</p> <p>A historic use analysis will be conducted and will include: diversion analysis, irrigated acreage historical review, interview past irrigators and water commissioner. Evapotranspiration calculations, streamflow depletions, and legal review will also be conducted.</p>
Method/Procedure: <ul style="list-style-type: none">• Diversion Analysis• Irrigated acreage historical review• Interview past irrigators and water commissioner• Evapotranspiration calculation• Streamflow depletions• Review of Historic Use Analysis
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Successful completion of the Historic Use Analysis
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Milestones, accomplishments and any setbacks will be discussed in all progress and final reporting. Attachments and documentation will be provided in the final report. This task will be reflected in the Matching budget only.



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 6- Project Management</u>
Description of Task: Project Management will be provided by Chelsey Nutter, Project Manager for the Upper Arkansas Water Conservancy District. The Project Manager will be responsible for task management, communication, grant management and documentation of deliverables. The Project Manager will serve as the primary point of contact and will provide coordination between all parties.
Method/Procedure: <ul style="list-style-type: none">• Task Management• Communication & Scheduling• Documenting Project Progress (Photos, Site Visits, etc.)• Grant Management – Progress Reports, Invoicing, Reimbursements• Project Contact and Facilitator
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Successful task management. On time reporting, time management and successful project completion.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Successful project completion on time and on budget. Project Management will be documented in all progress reports and will be reflected in the matching budget. A Final report will be provided to the CWCB with all documentation and supporting materials. Invoicing for this task will be reflected in the matching budget.

**COLORADO**Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

Exhibit B - BUDGET AND SCHEDULE

Date: 12/1/17

Water Activity Name: Ice Lake Preservation & Augmentation Project

Grantee Name: Lakeside Estates Preserve Homeowners Association, Inc.

<u>Task No.</u>	<u>Description</u>	<u>Start Date</u> ⁽¹⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽²⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽²⁾	<u>Total</u>
1	Bathymetric Survey	May 1, 2018	May 1, 2020	\$0	\$3,500	\$3,500
2	Telemetry Station-Equipment/Installation	May 1, 2018	May 1, 2020	\$0	\$16,430	\$16,430
3	Lake Releases & Control Structures	May 1, 2018	May 1, 2020	\$0	\$7,500	\$7,500
4	Augmentaion Agreement	May 1, 2018	May 1, 2020	\$0	\$1,480	\$1,480
5	Historic Use Analysis & Engineering Review	May 1, 2018	May 1, 2020	\$11,460	\$0	\$11,460
6	Project Management	May 1, 2018	July 31, 2020	\$2,826	\$0	\$2,826
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$14,286	\$28,910	\$43,196

(1) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(2) Round values up to the nearest hundred dollars.

Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal NTP if prior to the listed "Start Date"

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

Ice Lakes Preservation Project

Ice Lakes Preservation Project								
Task	Description		Expense	Labor				Total
				Legal		Engineering		
			\$	Hours	Rate/Hour	Hours	Rate/Hour	
1	Bathymetric Survey							
	A	Surveyor	\$ 2,500					\$ 2,500
	B	Engineering Stage Capacity Analysis				8	125	\$ 1,000
Task 1 Subtotal								\$ 3,500
2	Telemetry Station- Measuring Equipment							
	A	DCP Equipment	\$ 5,000			15	85	\$ 6,275
	B	Mast	\$ 600			8	85	\$ 1,280
	C	Grounding Equipment	\$ 500			6	85	\$ 1,010
	D	Housing	\$ 600			2	85	\$ 770
	E	Solar Power system	\$ 800			2	85	\$ 970
	F	Lake Level Staff Gage	\$ 1,500			15	85	\$ 2,775
	G	DCP Relay Station	\$ 2,500			10	85	\$ 3,350
Task 2 Subtotal								\$ 16,430
3	Lake Release & Control Structures							
	A	Water Level Control Structure/ Installation	\$ 6,000					\$ 6,000
	B	Engineering Design				12	125	\$ 1,500
Task 3 Subtotal								\$ 7,500
4	Augmentaion Agreement							
	A	Finalize Augmentaion Documentation		8	185			\$ 1,480
Task 4 Subtotal								\$ 1,480
5	Historic Use Analysis & Engineering Review							
	A	Historic Use Analysis & Eng. Review		16	185	68	125	\$ 11,460
Task 5 Subtotal								\$ 11,460
6	Project Management							
	A	Project Management & Grant Administration		7% of Total				\$ 2,826
Task 5 Subtotal								\$ 2,826
GRAND TOTAL								\$ 43,196

****WSRF Grant Funding = \$28,910.00**

Funding Requests	Amount	% of State
Match=	\$ 14,286	55%
Basin Request=	\$ 2,891	11%
Match + Basin Request=	\$ 17,177	66%
Statewide Request=	\$ 26,019	