



Lake County Government Board of County Commissioners

505 Harrison Avenue • PO Box 964 • Leadville, Colorado 80461 • (719) 293-0177

Date: June 30, 2021

Re: Arkansas – Flume & Hayden Reservoirs POGG1 2019-2396

Dear Arkansas Basin Roundtable and Colorado Water Conservation Board,

Please find Lake County's final reimbursement request for the Arkansas – Flume & Hayden Reservoirs POGG1 2019-2396. The following outlines the required WSFR Grant reimbursement information.

Final Report:

- Summarizes the project and how the project was completed.

Lake County completed phase 1 in the 1990's through the adjudication 2011CW86 Derry Water Rights. A number of items needed to be implemented in order to utilize the Derry 3 water right of Lake County to incorporate Lake's complete water portfolio into the developing Augmentation Plan and Water Enterprise. There were four elements outlined in the work done with CWCB support: USFS Permitting for the Derry 3 diversion locate don USFS land, Flume installation at the Derry 3, Telemetry Installation for the Derry 3 diversion, and a bathymetric survey done on the Hayden Pond Reservoir. All were completed successfully.

A 30 year Special Use Permit with the USFS was successfully obtained on August 25, 2020. (Docs attached) The diversion structure from Corske Creek, high on Mt. Elbert, flume and telemetry was also installed with Lake County Public Works and assistance from DWR in placement and telemetry ordering and install. The County had an unexpected failure in a culvert on a different County road which caused us to have to rent a machine for the Derry 3 project. The bathymetric survey was delayed due to unforeseen weather and technical difficulties, but was completed in the spring of 2021.

- Describes any obstacles encountered, and how these obstacles were overcome.

Overall there were no critical obstacles, other than timing and the anticipated bureaucratic process across organizations. The County remains in need of a practice for reporting and allocating the Derry 3 water, as well as taking next steps needed for potential storage of the water.

- *The USFS permitting took longer than hoped, but the County and Forest Service worked well together to gain confidence in the impacts and needs included in the project on a popular hiking trail site at the base of Mt. Elbert. The USFS incorporated some Schedule A work on site, completed by Public Works, in order to improve the trailhead area and other recreation impacts.*
- *County Road 99 had a culvert failure that caused a simultaneous need to address repairs and replacement, pulling intended equipment for Derry 3 to another location. This resulted in the County renting a piece of equipment to complete the Derry 3 work.*
- *HydroGeo Designs unexpectedly ran into a large amount of aquatic life at the end of the summer season and worried that it would impede accurate measurement and survey work, postponed the survey work from the fall of 2020 to the spring of 2021, when it was completed.*

- Explains the Proposed Budget versus the Actual Budget.

- *The Proposed budget total was \$39,455.00. The Actual budget total was \$77,425.88. Though the County was under budget for Task 1 and Task 3, as well as other equipment purchases, we went over*

budget in the line item estimating the County in-kind contribution due to the need for rental equipment, as well as underestimating travel time to and from the remote site, resulting in additional labor hours.

- Confirms that all matching commitments have been fulfilled.
 - *Match from the County in Tasks 1, 2, 5 have been met and exceeded.*
- Includes photographs, summaries of meetings and engineering reports/designs, if appropriate.
 - *USFS SUP: Permit fee, annual fee*
 - *Pictures of Derry 3 Diversion*
 - *Contract with DWR re Telemetry*
 - *Lake County Request for Extension and Approval Letter*
 - *HydroGeo Bathymetric Survey*
- Date of request;
 - *June 30, 2021*
- Grantee's contact name, email address, physical address, and phone number;
 - *Lake County Government, smudge@co.lake.co.us (Finance Department: khewlett@co.lake.co.us), Physical Address: 505 Harrison Ave, Leadville CO 80461, MAILING Address: Attn: Commissioner Mudge, PO Box 964, Leadville CO, 80461, Commissioner Mudge Cell: 719-293-0177*
- Roundtable that recommended the grant;
 - *Arkansas Basin Roundtable*
- Date of CWCB approval;
 - *October 31, 2018*
- Contract or purchase order number;
 - *Arkansas – Flume & Hayden Reservoirs POGG1 2019-2396*

Description of the work accomplished by individual tasks as presented in the approved budget;

- *Task 1 USFS Permitting:*
 - *Lake County was awarded a 30 year Special Use Permit to the United States Forest Service (USFS) December 31, 2019. The County had arranged other Schedule A work to combine with being on site, per USFS requests and scope provided. There was a required pre-construction site visit, September 2020. Diversion work was complete by October 28, 2020.*
- *Task 2 Flume Purchase and Installation:*
 - *Headgate and Flume were purchase from C Bar C Construction*
 - *Installation was done primarily by Lake County Public Works. Upper Arkansas River Restoration assisted with headgate and flume placement, as well as the Division of Water Resources for the installation of the telemetry equipment and verification of readings regarding the final install.*
- *Task 3 Telemetry Measuring Station*
 - *DWR assisted in supplying the equipment list and install of telemetry equipment. DWR verified successful readings transmitted.*
- *Task 4 Bathymetric Survey:*
 - *HydroGeo Design completed the bathymetric survey of the Hayden Reservoir. This reservoir has potential for storage of Derry 3 water.*
- *Task 5 Administration:*
 - *Staff and Elected Official time were spent administering the grant to the full 45 hours projected.*
- Supporting documentation (vendor invoices) label for items or services billed. Vendor invoices must clearly reflect and identify which Task(s) in the approved Statement of Work, Budget and Schedule the invoice is intended to be

debited. Reimbursement of administrative expenses of the applicant or grantee will be limited to 15% of the total grant request;

- *Invoices: Telemetry, Flume, Headgate, Annual Fee, UARRP, PW work summary, HydroGeo*
 - *Lake County requests the full reimbursement of \$23,905.00 outlined and awarded from CWCB as labor and install went over budget, though other items came in under budget.*
- Estimate of the percent completion for individual tasks and the entire water activity in relation 15 Document Effective Date: 9-17-2020 WATER SUPPLY RESERVE FUND CRITERIA and GUIDELINES to the percentage of budget spent; and
- *Tasks 1-5 have been completed in full.*
- Identification of any major issues, and proposed or implemented corrective actions. All payment requests must reflect services within the purchase order/contract terms (effective date/NTP) and completion (expiration date).
- *The major issue the County had was a conflicting emergent road repair that caused additional cost of renting proper equipment to address both needs, culvert/bridge replacement and Derry 3 diversion work.*

Thank you for the opportunity and support.

Sincerely,

Sarah Mudge
Lake County Board of County Commissioners, Chair