



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

January 31, 2020

Mr. Phil Hemphill, President
Fort Lyon Canal Company
750 Bent Avenue
Las Animas, CO 81054
Via email: connie@flcc.net

Re: Fort Lyon Canal Company Adobe Creek Dam Rehabilitation Project
CWCB WSRF Grant Contract Number CTGG1 2018-806

NOTICE OF GRANT PROJECT CLOSEOUT

Dear Mr. Hemphill:

This letter is to advise you that the grant provided by CWCB for the Project referenced above has been closed out. The Final Report has been received and the CWCB has paid all applicable Project charges submitted. The total amount disbursed under this grant contract was \$1,071,714.28. The unused grant funds will be reversed back into the original source fund.

It has been a pleasure working with you on the successful completion of this Project. Please don't hesitate to contact me if you have any questions regarding this matter.

Sincerely,

Rachel Pittinger, P.E.
Project Manager

Grant Contract Amount = \$1,100,000.00
Expended Amount = \$1,071,714.28



Colorado Water Conservation Board
Project Expenditure Schedule

Project Name: Adobe Creek Dam Rehabilitation
Project Manager: Rachel Pittinger

Applicant: Fort Lyon Canal Company
Address:

Contact: Jerred Hoffman
Phone: (719) 456-0720
E-mail: jerred@ficc.net, flicinfo@ficc.net

CORE: CTGG1 2018-806

VC #: 116179

Grant Contract/PO No.: CTGG1 2018-806

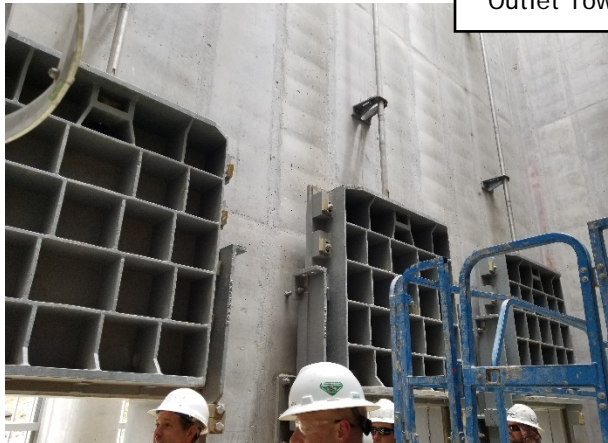
Authorization: \$ 1,100,000.00

Tax ID No:

Project Expiration: 04/15/2020

Invoice	Invoice Date	Description of Work	Amount Invoiced	Amount Approved	Total Billed to Date	Percent Complete	Funds Remaining
001	11/30/17	Invoice 001 refused by PM.	\$0.00	\$0.00	\$0.00	.00%	\$ 1,100,000.00
002	12/18/17	Engineering and Design	\$39,025.25	\$39,025.25	\$39,025.25	3.55%	\$ 1,060,974.75
003	1/18/18	Engineering and Design	\$12,984.82	\$12,984.82	\$52,010.07	4.73%	\$ 1,047,989.93
004	2/14/18	Engineering and Design	\$13,544.91	\$13,544.91	\$65,554.98	5.96%	\$ 1,034,445.02
005	3/13/18	Design and Engineering	\$8,615.51	\$8,615.51	\$74,170.49	6.74%	\$ 1,025,829.51
006	4/11/18	Design and Engineering	\$5,095.59	\$5,095.59	\$79,266.08	7.21%	\$ 1,020,733.92
007	5/14/18	Design and Engineering	\$2,695.50	\$2,695.50	\$81,961.58	7.45%	\$ 1,018,038.42
008	8/20/18	Design and Engineering	\$7,027.93	\$7,027.93	\$88,989.51	8.09%	\$ 1,011,010.49
009	9/13/18	Engineering and Design	\$3,929.20	\$3,929.20	\$92,918.71	8.45%	\$ 1,007,081.29
010	10/10/18	Design and Construction	\$46,607.30	\$46,607.30	\$139,526.01	12.68%	\$ 960,473.99
011	11/7/18	Design and Construction	\$94,721.64	\$94,721.64	\$234,247.65	21.30%	\$ 865,752.35
012	12/12/18	Design and Construction	\$62,422.11	\$62,422.11	\$296,669.76	26.97%	\$ 803,330.24
013	1/9/19	Design and Construction	\$46,378.54	\$46,378.54	\$343,048.30	31.19%	\$ 756,951.70
014	2/7/19	Design and Construction	\$140,299.81	\$140,299.81	\$483,348.11	43.94%	\$ 616,651.89
015	3/7/19	Design and Construction	\$141,640.25	\$141,640.25	\$624,988.36	56.82%	\$ 475,011.64
016	4/8/19	Design and Construction	\$100,702.28	\$100,702.28	\$725,690.64	65.97%	\$ 374,309.36
017	5/9/19	Design and Construction	\$103,371.50	\$103,371.50	\$829,062.14	75.37%	\$ 270,937.86
018	6/12/19	Design and Construction	\$108,988.06	\$108,988.06	\$938,050.20	85.28%	\$ 161,949.80
019	6/26/19	Design and Construction	\$108,188.36	\$108,188.36	\$1,046,238.56	95.11%	\$ 53,761.44
020	8/12/19	Design and Construction	\$8,287.61	\$8,287.61	\$1,054,526.17	95.87%	\$ 45,473.83
021	9/12/19	Design and Construction	\$10,240.73	\$10,240.73	\$1,064,766.90	96.80%	\$ 35,233.10
022	10/16/19	Design and Construction	\$778.04	\$778.04	\$1,065,544.94	96.87%	\$ 34,455.06
023	11/5/19	Design and Construction	\$5,696.78	\$5,696.78	\$1,071,241.72	97.39%	\$ 28,758.28
024	12/11/19	Design and Construction	\$472.56	\$472.56	\$1,071,714.28	97.43%	\$ 28,285.72

Outlet Tower and Gates



Construction of Mud Mat and Outlet Terminal Structure



Project Description

Adobe Creek Reservoir (also known as Blue Lake) is owned by the Fort Lyon Canal Company (Company). The original dam was a 32-foot-high, high hazard dam that impounds approximately 77,400 acre-feet of active storage and 4,292 acre feet of dead storage. The Adobe Creek Reservoir water is used to irrigate approximately 93,000 acres of land in Bent, Otero, and Prowers County. The new dam height is 32.3 feet and has a crest length of 7,375 feet.

A storage restriction was issued by the Dam Safety Branch of the Office of the State Engineer on May 5, 2017 due to adverse seepage conditions and outlet deficiencies in the dam's foundation and deteriorated conditions in the 112-year-old, vitrified clay outlet works. Through this loan, the Company constructed new outlet works and seepage control systems in Adobe Creek Dam to regain the approximately 32,560 acre-feet of storage that was lost due to the storage restriction.

Construction was complete in 2019 with temporary storage approval in June 2019 and a Final Acceptance of Construction by Colorado Dam Safety in November 2019.

P R O J E C T D A T A

<i>Sponsor:</i> Fort Lyon Canal Company	<i>County:</i> Bent	<i>Water Source:</i> Arkansas River
<i>Type of Project:</i> Dam Rehabilitation	<i>Board Approval Date:</i> September 2017	
<i>Terms of Loan:</i> 1.50% for 40 years	<i>(Original)</i> \$8,181,000	<i>(Final)</i> \$8,053,081.83
<i>Terms of WSRF Grant:</i>	<i>(Original)</i> \$1,100,000	<i>(Final)</i> \$1,071,714.28
<i>Design Engineer:</i> W.W.Wheeler and Associates, Inc.		
<i>Contractor:</i> Moltz Construction, Inc.		