

# **WSRF Grant Progress Report**

**January 9, 2023**

## **Colorado Division of Water Resources**

### **Data Logger/Telemetry Installation Project**

Division 1 of the Colorado Division of Water Resources received approval of our application for a WSRF Grant on March 12, 2020 and received Official Notice to Proceed on June 10, 2020.

#### **Budget:**

Since receiving the Notice to Proceed we have purchased equipment and materials requested in the Grant application. As of January 9, 2023, a total of \$283,547.85 has been spent out of the \$290,000.00 received (98%) to purchase equipment and materials needed for installation of telemetry and recorders.

#### **Statement of Work:**

As of January 9, 2023, 117 sites have been installed with telemetry and are currently available on the DWR website with flow data. 19 sites have been installed with a Sutron Data Recorder only. We are at 120% completion with field installations of equipment with 136 sites installed compared to the original 114 listed in the Grant application. The reason for this excess is that we have had water users who did not express interest in the original Grant but who we were able to provide some small component of equipment, provided assistance needed for installation or we were able to add additional sites through REST services. We have approximately 12 sites remaining for installation of those listed in the original grant application. The completed structure sites are listed below:

Bypass at Ogilvy Diversion Dam

Howard Ditch

Panama Reservoir Inlet

Panama Reservoir Outlet  
City of Lakewood Cottonwood lake Inlet  
from Ward ditch  
Cottonwood Lake Level - Storage GH  
Pressure Transducer  
City of Lakewood Kendrick Reservoir Inlet  
from Ward Ditch  
Kendrick Lake level - Storage GH Pressure  
Transducer  
Section 3 Augmentation Return  
BH Eaton United WSD Augmentation Return  
Ward Ditch  
Green Ditch  
Pearl Street Flume Boulder & White Rock  
Ditch  
Western Seep  
Anderson Ditch  
Northglenn Lupton Bottom Aug Return  
Northglenn New Brantner Aug Return  
Farmers Ditch  
Schearer Ditch  
Sorin Union Aug Rtn  
Riviera Lake inlet from Ag Ditch  
Leyner Cottonwood Ditch  
Dry Creek No.2 Ditch  
New Cache Lower Crow Creek RTN  
New Cache Lower Sand Creek RTN(old  
Central site)  
New Cache Upper Sand Creek RTN  
New Cache Lone Tree Creek RTN  
New Sand Creek Lateral Ditch  
Ogilvy Lone Tree CRK Feeder  
JB Cooke Ditch  
Cottonwood #2  
Milavec Reservoir Inlet  
Eggleston 1 Ditch  
Eggleston Reservoir 4 Feeder Ditch

Soda Lakes Outflow to Conduit 15  
Soda Lakes Inflow  
Soda Lakes Outflow to Turkey Creek  
Loveland Greeley Reservoir Return to BT  
Boyd Lake Return to Big T River  
Boxelder Ditch  
XCEL Energy-Enterprise Ditch  
XCEL Energy-East Boulder Ditch Headgate  
XCEL Energy-East Boulder Ditch Bypass  
XCEL Energy-Jones Donnelly Ditch Diversion  
City Ditch  
Harris Park Reservoir #1 Outlet  
Boulder and Weld County Ditch  
Green Lake Seep  
Loch Lomond Outlet  
Fall River Res. Outlet  
McDonald Ditch  
Wadsworth Ditch Substitution  
Western Equalizer Pond  
Thornton – Antelope Beach Recharge  
Circle C Ranch N. Side Ditch  
Circle C Ranch South Side Ditch  
Circle C Ranch North and South Side Tail  
Dozier # 7 Res Inlet Above  
Dozier # 3 Res Outlet Below  
Johnson Lateral Pinehurst MP  
67 Ditch  
Chatfield Botanical Gardens  
Crawford Ditch  
Dakan Ditch  
East Plum Creek Ditch  
Garden Ditch  
Goodrich  
Hayland Ditch  
John Jones Ditch  
Meadow Ditch  
Selzell Ditch

Boulder & White Rock Ditch  
McCarty Ditch  
Godding Idaho Creek Diversion  
Godding(Highland South Side Diversion)  
Lafayette #4 Diversion  
Baseline Reservoir Outlet  
XCEL Energy-Leggett-Valmont Inlet Flume  
XCEL Energy-Leggett-Valmont Outlet Flume  
Marshallville Ditch  
Davidson Ditch  
Butte Mill Ditch  
South Boulder & Bear Creek Ditch  
Howell Ditch North Flume  
Howell Ditch South Flume  
North Boulder Farmers Ditch  
Boulder Left Hand Ditch  
Green Ditch Eldora Return  
Dry Creek Davidson Ditch  
South Boulder Canon Ditch  
Silver Lake Ditch  
North Boulder Farmers Ditch Return to  
Boulder Creek  
Cottonwood #2 Ditch  
Andrews Farwell Ditch  
Goodhue Ditch  
Smith Goss Ditch  
Arvada (Blunn) Reservoir Inlet from Ralston  
Creek  
Ralston-Clear Creek Canal  
Ralston-Clear Creek Canal Release to Clear  
Creek  
Arvada Ralston Creek Bypass  
Clear Creek at Fisher Ditch Diversion  
Johns Pond Outlet  
Mount Olivet Pipeline  
Lower Beaver Brook Outlet  
Lower Beaver Brook Reservoir

Lower Beaver Brook Inlet  
Beaver Brook Below Beaver Brook Reservoir  
Haines Piquette Ditch  
Clough Private Ditch  
Pioneer Union Ditch  
Thornton Recharge/ Antelope Beach  
New Brantner Rtn to Big Dry Creek  
Aurora Brantner RTN to Big Dry Crk  
Hodgson Ditch  
Flinton Carey Ditch  
Schutz Ditch  
Garber #1  
James Ditch  
Kountz Ditch  
Fazzio Ditch  
Spring Branch Ditch  
Sellar's Gulch Ditch  
Fulton United Aug Station  
Walker Reservoir  
Walker Reservoir outlet  
Tani Lakes Inlet from Burlington  
124<sup>th</sup> Ave Res. Release  
Brighton's Fulton Ditch aug release  
City of Brighton Sewer outflow  
Ergers Pond Inlet  
Ergers Pond outlet  
Ergers Pond pump

We plan to order remaining equipment, tools and materials needed to complete installation on the remaining sites by October of 2023. The Grant completion date is listed as October 2023.

#### Lessons Learned:

We have experienced no major issues with implementing the scope of the Grant. Communication and coordination has at times been

challenging as much of this work has been done on weekends but we have made good progress on installations. We have found that interest in telemetry has increased and more structures were added than originally planned with a desire to add more. Additional grant applications may be submitted in the future as the need and desire are prevalent.

Thank you,

Brent Schantz

Colorado Division of Water Resources

[Brent.schantz@state.co.us](mailto:Brent.schantz@state.co.us)

Examples of Installations:



New Sand Creek Lateral



Soda Lakes Inlet