



**COLORADO**

Colorado Water  
Conservation Board

Department of Natural Resources

Contract CORE No. POGG1 2018-832  
CMS #

April 4, 2018

Lost Creek Groundwater Management District  
Attn: Tom Sauter, General Manager  
50005 E. 120<sup>th</sup> Avenue  
Bennett, CO 80102-9412

Dear Tom:

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 \$25,000. This letter authorizes you to proceed with the Lost Creek Designated Basin Instrumentation 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, Lost Creek Groundwater Management District 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 Craig Godbout, Project Manager at 303-866-3441 ext. 3210 or at [Craig.Godbout@state.co.us](mailto:Craig.Godbout@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](mailto: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](mailto:Dori.vigil@state.co.us) / [cwcb.state.co.com](http://cwcb.state.co.com)

Attachments



**STATE OF COLORADO**  
Department of Natural Resources

Page 1 of 2

ORDER		*****IMPORTANT*****				
<b>Number:</b>	POGG1,PDAA,201800000832	<b>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.</b>				
<b>Date:</b>	04/03/18					
<b>Description:</b>	PDAA 2500 WSRF_Lost Creek Instrumentation in SPRB					
<b>Effective Date:</b>	04/03/18					
<b>Expiration Date:</b>		09/30/18				
<b>BUYER</b>						
<b>Buyer:</b>						
<b>Email:</b>						
<b>VENDOR</b>						
LOST CREEK GROUNDWATER MGMT DIST						
50005 E 120TH AVE						
BENNETT, CO 80102-9415						
<b>Contact:</b> .						
<b>Phone:</b> 3036443314						
<b>EXTENDED DESCRIPTION</b>						
<b>Line Item</b>	<b>Commodity/Item Code</b>	<b>UOM</b>	<b>QTY</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>MSDS Req.</b>
1	G1000		0	0.00	\$25,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF_Lost Creek Instrumentation in SPRB						
Service From: 4/3/18			Service To: 9/30/18			
<b>Delivery Instructions</b>						
FOB: FOB Dest, Freight Allowed			Delivery Date:			
Instructions:						
<b>Ship To:</b>			<b>Bill To:</b>			
COLORADO WATER BOARD			COLORADO WATER BOARD CONSERVATION			
1313 SHERMAN STREET, ROOM 718			1313 SHERMAN STREET, ROOM 718			
DENVER,CO 80203			DENVER,CO 80203			
<b>Line Item</b>	<b>Commodity/Item Code</b>	<b>UOM</b>	<b>QTY</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>MSDS Req.</b>
2	G1000		0	0.00	\$43,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF_Lost Creek Instrumentation in SPRB						
Service From: 4/3/18			Service To: 9/30/18			
<b>Delivery Instructions</b>						



**STATE OF COLORADO**  
Department of Natural Resources

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FOB:	FOB Dest, Freight Allowed	Delivery Date:
Instructions:		
<b>Ship To:</b>		<b>Bill To:</b>
COLORADO WATER BOARD 1313 SHERMAN STREET, ROOM 718  DENVER,CO 80203		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718  DENVER,CO 80203
<b>TERMS AND CONDITIONS</b>		
<a href="https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions">https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions</a>		
<b>DOCUMENT TOTAL = \$68,000.00</b>		



Last Update: October 24, 2017

<b>Colorado Water Conservation Board</b>	
<b>Water Supply Reserve Fund</b>	
<b><u>Exhibit A - Statement of Work</u></b>	
<b>Date:</b>	<b>1 November, 2017</b>
<b>Water Activity Name:</b>	<b>Lost Creek Alluvial Aquifer Instrumentation Project</b>
<b>Grant Recipient:</b>	<b>Lost Creek Ground Water Management Board</b>
<b>Funding Source:</b>	<b>Lost Creek Management District, SPBRT, CWCB</b>
<b>Water Activity Overview:</b> (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><b>The project seeks to install 30 depth-sensing transducers in the Lost Creek designated basin. This array will measure water depths throughout the upper Lost Creek Designated Basin and report results directly to the State of Colorado Division of Water Resources database HydroBase. Funding will be used to procure the 30 depth-sensing transducers. Initial installations will be conducted by DynoTek and will serve to train LCGWMD personnel to complete the project.</b></p>	
<b>Objectives:</b> (List the objectives of the project)	
<p><b>The <u>principal objective</u> of this project is 1) <i>to provide baseline empirical data on actual water levels in the Lost Creek alluvial system.</i> The data will support attainment of the following secondary objectives:</b></p> <p><b>2) Provide accurate and substantive data to support DWR, CWCB, and LCGWMD decisions on appropriations, well applications, and validate groundwater modeling.</b></p> <p><b>3) Characterize the Lost Creek system prior to establishment of ASR projects to be able to discern effects of infiltration methods, storage capacity, resident times, and export of resources from the system</b></p>	



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<b><u>Task 1 - (Name) System Acquisition</u></b>
Description of Task: Task 1 will be to procure transducers, above ground support, and communications systems to create the array. The complete estimate of materials and cost are attached in the DynoTek estimate in this package.
Method/Procedure: Purchase order to vendor
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Complete inventory of sensors and communications equipment for 30 sensor array meeting DWR criteria for data transmission into HydroBase database
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) LCGWMD will deliver a letter of completion of this task with purchase order and vendor-provided inventory sheet.



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<b><u>Task 2 - (Name) System Installation and Connection</u></b>
Description of Task: <p>This task will involve DynoTek vendor installing initial systems and training LCGWMD personnel to complete installations. LCGWMD will work with DWR HydroBase engineers and DynoTek to establish connectivity and data validity as each sensor point is added. The end state of this task will be to have 30 sensors arrayed in groups of five across the upper Lost Creek Basin reporting data in near real time to HydroBase. This Task will not be funded by the WSRF Grant Program.</p>
Method/Procedure: <p>LCGWMD will identify candidate wells and conduct installations with vendor assistance. The vendor will install the first array of four sensors to train LCGWMD personnel. LCGWMD personnel will then install the rest of the array. We expect this project to be completed by the end of CY 2018.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) <p>Thirty sensors in the designated basin reporting data in real time to HydroBase.</p>
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) <p>LCGWMD will notify CWCB by final report as described under the final deliverable section when the array is completely installed and reporting data to HydroBase. CWCB will be able to access HydroBase data at any time to monitor progress of installation.</p>
<<END OF TASKS>>



Last Update: October 24, 2017

### Budget and Schedule

**Budget:** This Statement of Work and Schedule shall be accompanied by a Budget ([link?](#)) that reflects the Tasks identified in the Statement of Work and Schedule and shall be submitted to CWCB in an excel format.

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### Reporting Requirements

**Reporting:** The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, 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 to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

**Final Deliverable:** At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

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

### Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

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

### Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied



Last Update: October 24, 2017

with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



Last Update: May 19, 2017

**(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" CWCB will withhold the last 10% of the entire grant budget until the Final Report (Deliverable) is completed and accepted (2016 WSRF Criteria & Guidelines).

Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

Colorado Water Conservation Board						
Water Supply Reserve Fund						
Exhibit B - BUDGET AND SCHEDULE						
Date: 1 Nov 2017						
Water Activity Name: Lost Creek Designated Basin Instrumentation Project						
Grantee Name:						
Task No.	Description	Start Date <sup>(1)</sup>	End Date	Matching Funds (cash & in-kind) <sup>(2)</sup>	WSRF Funds (Basin & Statewide combined) <sup>(2)</sup>	Total
1	Equipment Procurement *	4/3/2018	6/1/2018	\$5,000.00	\$68,000.00	\$73,000.00
2	Sensor Array Installation	5/1/2018	9/30/2018	\$20,000.00	\$0.00	\$20,000.00
Total				\$25,000	\$68,000	\$93,000

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**\* WSRF GRANT NOT TO EXCEED \$68,000 FUNDING. ANY AMOUNT OVER THE \$68,000 WILL BE PROVIDED BY THE GRANTEE.**

Dynotek Inc

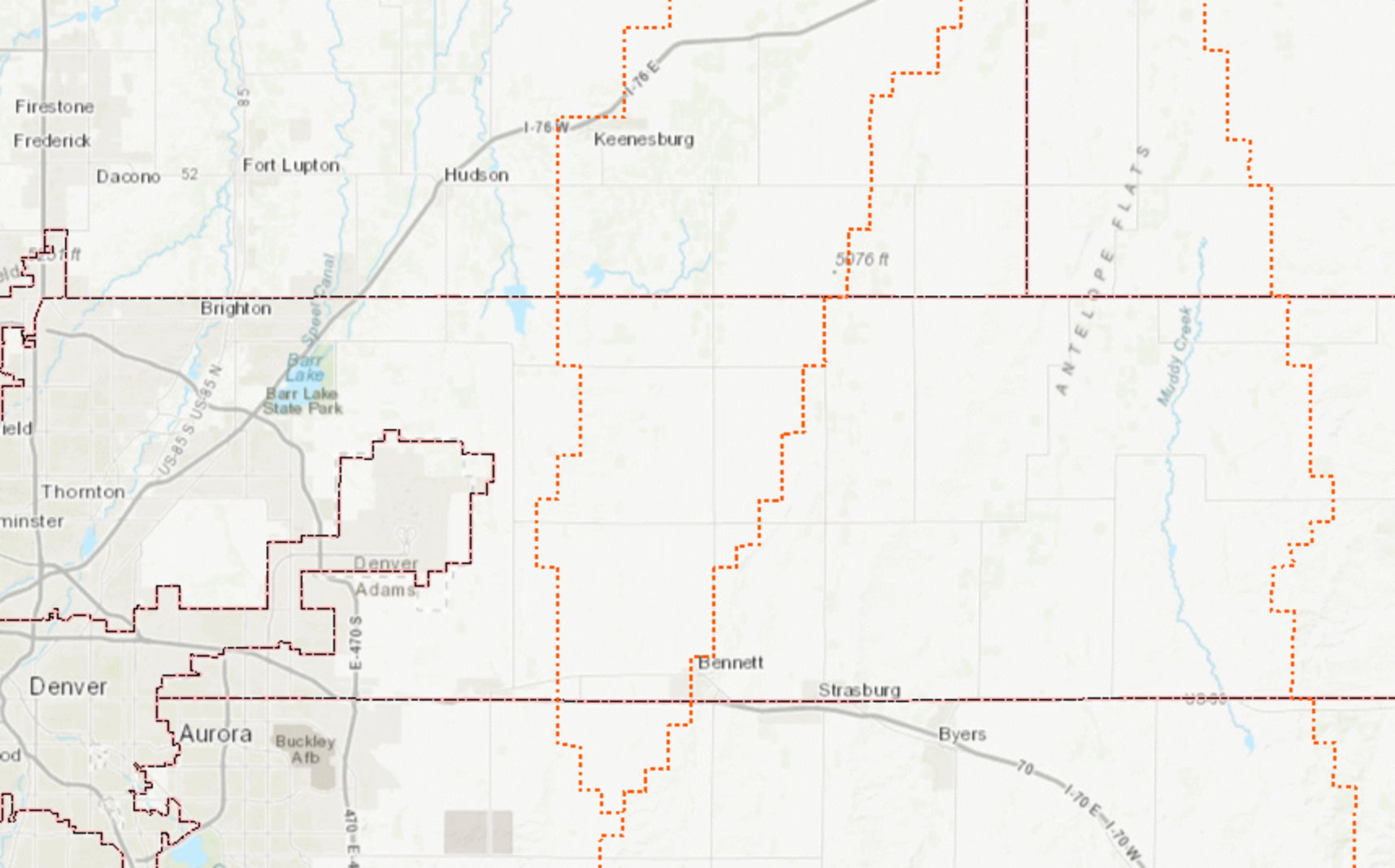
13931 W 54th Ave  
Arvada, CO 80002

# Estimate

Date	Estimate #
9/11/2017	170911-1

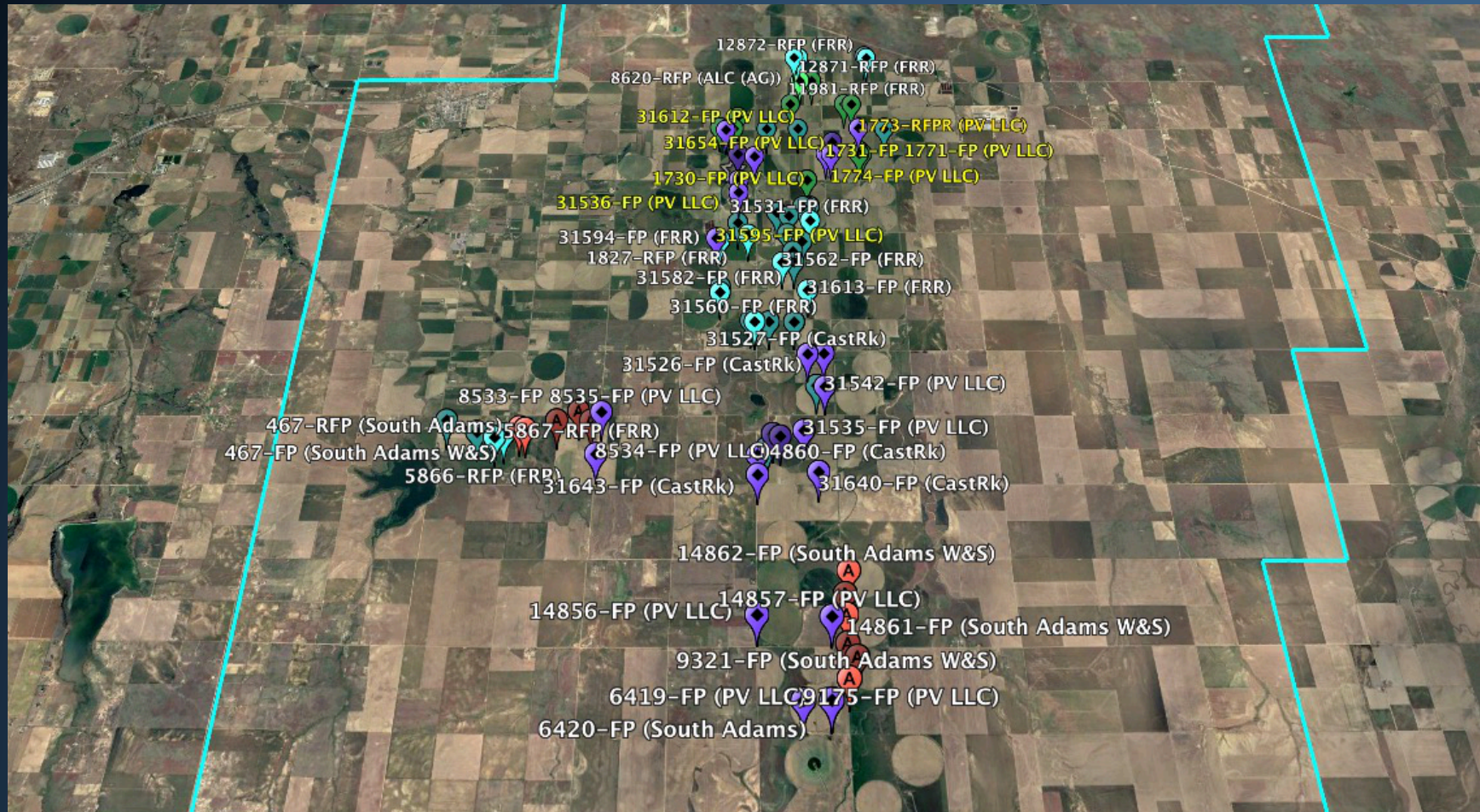
Name / Address
Lost Creek GWMD Attn: Todd Denning

			Project
Description	Qty	Rate	Total
Dynotek Slimline Submersible Pressure Transmitter, 4-20mA Output, 0-75 psis range (estimated)	30	645.00	19,350.00T
Dynotek 'Standard' 18 Gauge Poly Cable (For Slimline Submersible Transmitter) at 250 ft. per well estimated for 30 wells	30	275.00	8,250.00T
ss Kellum Grip cable hanger	30	38.50	1,155.00T
Stand-alone, single sensor, solar-powered well level telemetry system. designed to collect up to 24 daily readings and upload them daily to a cloud-based server. It works with gauge, sealed gauge and absolute sensors and has on-board barometric pressure compensation. It is field configurable and sensor calibration taking just a few minutes during setup.	30	1,245.00	37,350.00T
One year of prepaid monthly airtime and administration charge per site for satellite data management services@ \$15.00/mo. which includes pulling data to the cloud-based server and/or pushing it to third-party host systems and/or viewed and downloaded via secure Web pages	30	180.00	5,400.00T
Service/Installation Field Trip with Service Truck and Technician to provide installation assistance and hardware to set up and train client personnel on installation and operation of four of the site's equipment including mounting pole, misc. hardware and commissioning. Time includes proration of one round trip with technician and service truck including all travel expenses.	4	550.00	2,200.00
Out-of-state sale, exempt from sales tax		0.00%	0.00
<b>Total</b>			<b>\$73,705.00</b>





# Current and Future Export Sites





# Candidate Sites

