

September 15, 2016

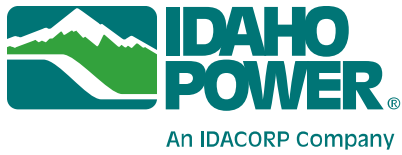
Frank Kugel  
Upper Gunnison River Water Conservancy District  
210 Spencer  
Gunnison, CO 81230

**RE: Deliverable for State of Colorado Purchase Order POGG1 PDAA 2017-334 for \$52,642, which is Gunnison Basin WSRF \$25,000, and CWCB Weather Modification Appropriation \$27,632.**

Dear Frank:

In partnership with Upper Gunnison River WCD, Colorado Water Conservation Board, the Idaho Power Company, and the Colorado River Basin States the IPC was contracted to purchase one remote controlled ice nucleus generator. It was then deployed at Irwin Lake Campground in late August 2016 which is about seven miles west of the town of Crested Butte. This order included the purchase and installation of a new ice nucleus generator (RCNG14), training, and technical support for one full year. The delivery, installation and training are complete. Please consider this letter report as the final report for the project and invoice the CWCB for funding and pay the full amount to the Idaho Power Company. Please transfer request \$52,642 in funding from the CWCB and use the ORDER and this letter report as the final deliverable for this project using State P.O. 2017-334. Attached is a picture of the installed IPC RCNG14 generator at Irwin Lakes Lodge near Crested Butte, Colorado in the Gunnison River Basin. This project comes with one year technical support so please feel free to call or email Brandal or I with any issues or concerns.





**Remit Payment to:**  
Idaho Power Company  
Attn: Shaun Parkinson  
P.O. Box 70  
Boise, ID 83707

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Parkinson", with a horizontal line extending to the right.

Shaun Parkinson

**ORDER  
FOR  
REMOTE CLOUD NUCLEATING GENERATOR V2014**



Name	Frank Kugel		
Company / Organization (Buyer)	UGRWCD		
Address	210 W Spencer Ave., Suite B		
City	Gunnison, CO 81230		
Phone	970-641-6065	Fax	

Item/Product/Service	Qty	Unit Price	Total
<b>Remote Cloud Nucleating Generator V2014 (RCNG14)</b>	1	\$35,000	\$35,000
Free-standing Tower			
Platform			
Solution System			
Nitrogen system for pressurization, incl. regulator			
3 - Cartridge style solution tanks, quick connect for pressure and solution			
Valve Box			
Flow control and meter orifice, post seeding purge system			
Burn Head (swivel)			
Swivel, rime heater			
Power and Charging System			
Solar Panels (2-90 watt), w/ voltage regulator, mounting frame, tower mounted battery box			
Control System			
On-board computer (PLC), bluetooth enabled for on-site operation with Android			
Wiring harness			
Meteorological package (temperature, humidity, barometric pressure)			
Sensors for machine status (burn chamber temperature, solution flow rate, battery voltage, atomizer and burner status)			
Propane System			
Regulator, plumbing from tank to valve box			
Manuals			
O&M (troubleshooting, setup, fill & fire, operation, etc.), including parts list and			
Valve Box Service			
First annual service of valve box (Buyer to return valve box to Seller at Buyer's expense)			

<b>Software</b>			\$0
RCNG14 software (Niveum) to utilize cloud based VM and I/O systems selected by			
Note: Account and subscription for cloud services are responsibility of Buyer.			
30 hours of Support Services under the License from delivery until May 31, 2016			

<b>Setup &amp; Training</b>	1	\$6,882	\$6,882
Two representatives of Seller, training, including set up of (1) RCNG14 on-site, operation and maintenance for fill/fire, seeding, and post season, software installation, and use. *Note that training will occur upon delivery			

<b>Delivery to Gunnison Colorado</b>	1	\$5,127	\$5,127
Delivery of one RCNG14 unit per shipment			

<b>Maintenance Kit - Minimal</b>	1	\$563	\$563
Spare nozzle, orifice, thermocouple, coil, spark plug			

<b>Android tablet (with software loaded, Gumdrop Case)</b>	1	\$300	\$300
Pass-through of retail purchase by Seller			

<b>Swappable Components</b>		\$8,800	\$0
Valve box and wire harness			

<b>Options</b>			
Wind sensor (RM Young, w/ mounting and wiring)	\$ 1.00	\$1,400	\$ 1,400
Additional solution tanks (each)	\$ 2.00	\$1,250	\$ 2,500

<b>Individual Maintenance Items</b>			
Android tablet (with software loaded, Gumdrop Case) (Pass-through)		\$300	\$ -
Spare Nozzle		\$308	\$ -
Computer - primary w/ housing	\$ 1	\$495	\$ 495
Computer - Wx-w/ housing	\$ 1	\$375	\$ 375
Thermocouple		\$62	\$ -
Coil		\$225	\$ -
Sparkplug		\$3	\$ -
Orifice		\$53	\$ -
Solution (per gallon)		\$75	\$ -

TOTAL:

\$52,642

**IMPORTANT NOTE**

**As part of this Order, Seller will not be providing, and Buyer must procure separately:**

Labor for service outside the terms of this sale  
Propane - recommend 2 - 120 gallon per RCNG14 unit purchased under this Order  
Nitrogen - 2 Q size bottles per RCNG14 unit purchased under this Order  
Batteries - 2 Optima D31T Yellow Top per RCNG14 unit purchased under this Order  
Solution to fill 2 of the Seller's 8 gallon tanks (with Seller's mix) per RCNG14 unit purchased under this Order  
Suitable satellite modem per RCNG14 unit purchased under this Order  
Account for satellite modem per RCNG14 unit purchased under this Order  
Physical location for set-up of each RCNG14 unit purchased under this Order  
Account and subscription for cloud services

**The above items must be obtained by Buyer prior to delivery of the Products ordered under this Order**

Email completed Order to: [sparkinson@idahopower.com](mailto:sparkinson@idahopower.com) and [hglenm@idahopower.com](mailto:hglenm@idahopower.com)

Orders are subject in all respects to the attached Terms and Conditions for Sale of Products and Services. By signing this Order, Buyer agrees that the Terms and Conditions for Sale of Products and Services (and any other documents expressly incorporated therein) will govern the Order and the Products and Services included in the Order. Capitalized terms used in this Order but not defined in this Order have the meaning given to them in the attached Terms and Conditions for Sale of Products and Services.

Seller:

IDAHO POWER COMPANY

By: 

Name: Shaun Parkinson

Title: Water Resources Leader

Date: 5/24/16

Buyer:

Upper Gunnison River Water Conservation District

By: 

Name: Frank Kugel

Title: General Manager

Date: 5/23/16



STATE OF COLORADO  
Department of Natural Resources

<b>ORDER</b>		<b>** IMPORTANT **</b>				
Number: POGG1 PDAA 201700000334		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 08/16/16						
Description: pdaa5000 Remote cloud seeder for Gunnison River		<b>BILL TO</b>				
Effective Date:                      Expiration Date:		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
<b>BUYER</b>		<b>SHIP TO</b>				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
<b>VENDOR</b>		<b>SHIPPING INSTRUCTIONS</b>				
UPPER GUNNISON RIVER WATER		Delivery/Install Date:				
210 W SPENCER AVE		F.O.B:				
STE B		<b>VENDOR INSTRUCTIONS:</b>				
GUNNISON, CO 81230-2544						
Contact: .						
Phone: 9706416065						
<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: pdaa5000 Remote cloud seeder for Gunnison River						
Service From: 08/16/16                      Service To: 06/30/17						
<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	\$27,642.00	<input type="checkbox"/>
Description: pdaa5000 Remote cloud seeder for Gunnison River						
Service From: 08/16/16                      Service To: 06/30/17						
<b>TERMS AND CONDITIONS</b>						
<a href="https://www.colorado.gov/osc/purchase-order-terms-conditions">https://www.colorado.gov/osc/purchase-order-terms-conditions</a>						
<b>DOCUMENT TOTAL = \$52,642.00</b>						