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TO: Mayor Green & Town Council
Town of Alpine

February 12, 2025

RE: **Change Order Recommendation**
Wastewater Pretreatment Plant
GL Acct 52-90-541

Enclosed for your review is Cambrian Innovation's and Precision Electric's Change Orders for the Town of Alpine's wastewater pretreatment plant facility. These change orders reflect an increased cost of \$142,040.45 for materials and installation of items needed to complete the pretreatment plant. The longest delivery lead time item is 8-weeks. These delivery and installation lead times put the start-up of the pretreatment plant in May.

Jorgensen Associates recommends these change orders be approved and Added to Cambrian Innovation's and Precision Electric's approved contracts.

Cambrian Innovation's Change Order Summary;

+\$39,402.11 Unaccounted for parts and sensors
+\$43,076.70 Process installation support
-\$27,351.48 Precision Electric's cost for process piping on Cambrian's MBR equipment container
+\$55,127.33 Added cost to Cambrian Innovation's contract

Precision Electric's Change Oder Summary;

+\$39,114.88 Screen Room gas monitoring system
+\$18,078.76 HVAC controls for the ventilation system
+\$27,351.48 Cost to finish process piping on Cambrian's MBR equipment container
+ \$2,368.00 Blower motor starters
+\$86,913.45 Added cost to Precision Electric's contract

Please contact me with any questions or concerns you may have regarding this recommended change order or any other items concerning this project.

Respectfully,

Kevin Meagher

Enclosures:

Cambrian Innovation Change Order-5 breakdown and Precision Electric's Estimate 1841 and Change Order dated 2/12/25

Cambrian Innovation

Missing Parts Breakdown

Description	Part	Location	Tag Number	Lead Time	Cost
Badger M-2000 Flow Meter & Transmitter	2M-A-030FAAS7PJBSSAABCXWWDBABXX-NAS Meter Size: 030 - 3" / DN80	1049-P2101-01	FIT-2101	125 Working Days (SS) 3 Weeks (Carbon S)	\$ 2,292.00
Watts Pressure Reducing Valve	Watts LF Series 3/4" Pressure Regulator	1049-P2101-01	PRV-2101	In-Stock (Immediately)	\$ 444.77
Endress + Hauser Waterpilot FXM21 Level Transm	Waterpilot FMX21 Model no.: FMX21-5EP2/1D7 (FMX21-AA211FGK11A)	1049-P2301-01	LIT-2301	4 Weeks	\$ 1,365.73
Ashcroft Weksler Pressure Guage	Model#: 25 1009 SW L 02 L 60#	1049-P2301-01	PI-2301	In-Stock (Immediately)	\$ 88.49
IFM Pressure Transmitter	PN2694 w/ EVC001 Cable	1049-P2301-01	PIT-2301	In-Stock (Immediately)	\$ 500.18
McMaster-Carr Pressure Reducing Valve	8812K54	1049-P3301-01	PRV-8202	In-Stock (Immediately)	\$ 44.13
Endress + Hauser T-Mass Flow Transmitter	t-mass I 300, 6I3BL1, 235mm 9" 6I3BL1-3Q21/0 (6I3BL1-AAIBAEAFADSANA2AAGA2+Z1)	1049-P3301-01	FIT-3305	4 Weeks	\$ 5,605.99
IFM Pressure Transmitter	PN2696 w/ EVC001 Cable	1049-P3301-01	PIT-3303	In-Stock (Immediately)	\$ 500.18
Hach DO/Temp Transmitter	Sensor Model#: 9020000 ASSY, PROBE, LDO MODEL 2, H ControllerModel#: LXV525.99Z11551	1049-P3301-01	AIT-3301	2 Weeks	\$ 6,811.00
ATI pH Transmitter & Probe	MODEL Q46P - 2 - 1 - 4 - 1 pH MONITOR MODEL Q25 - P1 - 1 - 1 pH SENSOR	1049-P3301-01	AIT-3302	On-site	\$ 3,500.00
Endress+ Hauser Level Switch High	Liquicap M FTI51 Model no.: FTI51-A5H1XXX43D1A	1049-P3301-01	LSHH-3302	In-Stock (Immediately)	\$ 2,241.94
Endress+ Hauser Level Switch	Liquifloat T FTS20 AC/DC PP/PVC, 20m Model No: 71035520	1049-P3301-01	LSH-3303	4 Weeks	\$ 335.06
Endress-Hauser Level Switch	Liquifloat T FTS20 AC/DC PP/PVC, 20m Model No: 71035520	1049-P3301-01	LSL-3304	4 Weeks	\$ 335.06
Endress + Hauser Waterpilot FXM21 Level Transm	Waterpilot FMX21 Model no.: FMX21-5EP2/1D7 (FMX21-AA211FGK11A)	1049-P3301-01	LIT-3304	4 Weeks	\$ 1,365.73
IFM Pressure Switch	PN7694 w/ EVC001 Cable	1049-P3301-01	PS-3303A	In-Stock (Immediately)	\$ 418.96
IFM Pressure Switch	PN7694 w/ EVC001 Cable	1049-P3301-01	PS-3303B	In-Stock (Immediately)	\$ 418.96
Ashcroft Weksler Pressure Guage	Model#: 25 1009 SW L 02 L 60#	1049-P3301-01	PI-3312A	In-Stock (Immediately)	\$ 88.49
Ashcroft Weksler Pressure Guage	Model#: 25 1009 SW L 02 L 60#	1049-P3301-01	PI-3312B	In-Stock (Immediately)	\$ 88.49
McMaster-Carr Pressure Reducing Valve	8812K54	1049-P3301-02	PRV-8203	In-Stock (Immediately)	\$ 41.33
Badger M-2000 Flow Meter & Transmitter	2M-A-020FAAS7PJBSSAABCXWWDBABXX-NAS Meter Size: 020 - 2" / DN50	1049-P3301-03	FIT-3304	125 Working Days (SS) 3 Weeks (Carbon S)	\$ 2,292.00
Redhat Solenoid Valve	Redhat #8210G002LF 24/DC	1049-P7101-01	XV-8203	In-Stock (Immediately)	\$ 192.88
McMaster-Carr Pressure Reducing Valve	8812K54	1049-P7101-01	PRV-8204	In-Stock (Immediately)	\$ 41.33
				Parts Sub-Total =	\$ 29,012.70
				Labor Sub-Total =	\$ 5,250.00
				Markup 15% =	\$ 5,139.41
				Total =	\$ 39,402.11

Process Installation Support

Labor	Hours	Unit Price	Total
Steve Bosworth	12	\$ 250.00	\$ 3,000.00
Chris Eanes	10	\$ 225.00	\$ 2,250.00
			Markup 15% = \$ 7,363.20
			Total = \$ 217,951.20
Description	Qty.	Hrs/Trip	Unit Price
Additional PM Support			
Labor Steve	15	9	250 33750
Travel Expenses 256 miles round trip @ \$0.7/mile	15	256	0.7 2688
Per Diem	15	1	68 1020
			Sub Total = \$ 37,458.00
			Markup 15% = \$ 5,618.70
			Total = \$ 43,076.70

Change Order 5 \$ 82,478.81

Precision Electrical Services
3966 E 146 N
Rigby, ID 83442 US
info@pes-electric.com
www.pes-electric.com

Estimate



Precision Electrical Services LLC
Residential • Commercial • Industrial

ADDRESS
Kevin Meagher

ESTIMATE #	DATE	
1841	01/28/2025	

DESCRIPTION	QTY	RATE	AMOUNT
CHANGES IN GAS MONITOR SYSTEM PER JVA MSA Trigas Flow Panel- Three Gas X5000: XIR+LEL, CH4, H2S AND O2 -XCELL DIGITAL CALIBRATION KIT -TRAINING AND COMMISIONING -6-8 WEEK LEAD TIME	1	39,114.88	39,114.88
HVAC CONTROL PANEL -VF1,2, EF-1,2, AND DUCT HEATER SYSTEM AND DESIGN -EXCEPTIONS: ANY CHANGES TO EQUIPMENT CURRENTLY INSTALLED -Stage 1 to run 6 air exchanges per hour -Stage 2 to run 12 air exchanges per hour as per request of Gas monitor system -PROVIDE AIR FLOW SENSOR -4-6 WEEK LEAD TIME FOR MATERIALS	1	18,078.76	18,078.76
PLUMBING CHANGES, ALL EXTRA PIPING AND CONNECTIONS FOR CAMBRIAN NOT ON PRINTS DESCRIBED IN PLUMBING SCOPE. -Stainless steel piping work on intake blowers -All extra piping that was requested by Cambrian. -EXCEPTIONS: SUPPLY OF EXTRA PARTS NOT IN PLUMBING SCOPE	1	27,351.48	27,351.48

When you think power, think Precision!

This is an official bid for work described herein.

1. Scope of Work. PES shall furnish all labor, materials, equipment, services, and documentation required to fully perform the work as described in this estimate, and retain ownership of said items until paid in full. PES shall perform the work in accordance with all applicable local, state, and national building codes, electrical codes, and safety regulations and standards.

2.Payment Terms.

(a) NET30: Client shall pay PES within 30 calendar days of receiving an Application for Payment from PES.

(b) If payment is not made within 35 calendar days of receiving the Application for Payment, a late fee of 6% shall be applied to the outstanding balance owed to PES.

(h) Additional late fees of 6% of any remaining outstanding balance, including accrued late fees, shall be charged every 30 calendar days that the outstanding balance remains unpaid. Late fees shall compound until the outstanding balance is paid in full.

SUBTOTAL	84,545.12
TAX	0.00
TOTAL	\$84,545.12

Accepted By

Accepted Date



3966 E. 146 N. Rigby, ID
83442

Change Order

Date: 2/12/2025

Job Name: Alpine WWTP pre-treatment

Description of Work: Blower Exhaust fan Stater required by JVA added design 12/14/2024 no labor added as there was to be a disconnect power connection for these fans but now requested to be motor starters.

1. Blower motor exhaust Fan Starter

a. Materials: \$1,184.00x 2= \$2,368.00

Grand Total= \$2,368

This Change order becomes part of and in conformance with the existing contract.

We Hereby agree to make the change(s) specified above at the price indicated per this change order.

The prices and specifications of this change order are satisfactory and are hereby accepted. All work is to be performed under the established terms and conditions specified in the original contract unless otherwise specified.

Authorized Contractor Signature

Owner Signature

Date of Acceptance

Date of Acceptance