ALASKA ENERGY AUTHORITY

Date: **April 28, 2026**
Project: **Tuluksak Power Plant Upgrade Project**
Solicitation No.: **ITB 26070**
Addendum No.: **1**

TO ALL PLAN HOLDERS:

The following changes, additions, clarifications, and/or deletions are hereby made part of the ITB Documents for the above noted project, as if fully contained therein. All other terms, conditions, and specifications of the original Invitation to Bid remain unchanged.

Bidders must acknowledge receipt of this Addendum by email prior to the bid due date and time.

The ITB Package is hereby clarified, changed or modified by the following:

CONTRACT PROVISIONS AND SPECIFICATIONS

Bid Submission: In addition to sealed bids, emailed bids will be accepted. **Emailed bids,** amendments, or withdrawals must be received in the email inbox prior to the scheduled time of bid opening, addressed to: Selwin C. Ray, Email: AEAProcurement@akenergyauthority.org

This Addendum is issued to provide responses to questions received for the referenced solicitation. The questions and answers are included herein, and additional supporting documents are provided as Attachments A through D.

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QUESTIONS AND ANSWERS:

1. **Question:** While reviewing the project manual for ITB 26070 (Tuluksak Power Plant Upgrade Project), I noticed a few typographical errors in the specification headers and footers that require clarification: PDF Pages 291–328: The header and footer identify the section as “26 23 02 Upgrade Existing Prime Power Switchgear.” PDF Pages 355–371: The header shows “26 23 02 Engine Generators,” while the footer shows “26 32 13.” Could you please confirm that the headers on pages 355–371 should be corrected to read “26 32 13 Engine Generators” for consistency?
   Answer: On pages 355–371 the footer is correct. The header should read 26 32 13.

2. **Question:** Specific note 2 on sheet M2.1 calls for the existing 5” exhaust thimble at position #4 to remain. Sheet M6 refers to an existing 6” thimble. Does the existing 5” thimble need to be replaced with a new 6”?
   Answer: The existing thimble is 5” and it needs to be replaced with a new 6” thimble. Demolish existing 5” thimble and provide a new 6” triple wall insulated wall thimble listed for zero clearance to combustibles, Harco WT or approved equal. Provide framing and flashing as required. See Attachment A for installation details.

3. **Question:** Drawing M2.1 shows Gen#1 & #2 to remain and does not mention the removal of the crank vent or exhaust on Gen#2, which M3.2 detail 5 has an arrow pointing to Gen#2 thimble and has “New 1-1/4” Crank vent & 5” exhaust, TYP (2)”. Fairly certain that Gen#2 exhaust and crank vent are to remain, can you confirm this?
   Answer: The plan view drawings M2.1 and M3.1 are correct. The 5” exhaust and 1-1/4” crank vent on Gen#2 are existing. The note calling for new 5” exhaust and 1-1/4”: crank vent only applies to Gen#3.

4. **Question:** Detail 4/M3.3 Radiator/Canopy Support Section indicated attachment of the canopy roof system to the exterior wall; however, no flashing or weather protection is shown at the roof to wall interface. Is flashing required at the location?
   Answer: Flashing is not required. The canopy is primarily for snow and does not need to be rain proof.

5. **Question:** The existing voltage regulators are located in the generator termination box, are there new regulators in the new control boxes? Will they need to be set up with the generators?
   Answer: The Owner furnished engine junction boxes include new Basler DECS-100 voltage regulators as shown on Sheet E6.5. The regulators have been set up with typical values for a similar small community, but they will need to be adjusted as part of the commissioning process.

6. **Question:** What are the hours on the emergency generator?
   Answer: The engine presently has a total run time of 14 hours. The engine was serviced and load tested in June of 2025 prior to shipping out. See Attachment B for service report.

7. **Question:** Is there a limit of time that we can run the emergency generator?
   Answer: The maximum cumulative run time allowed on the emergency generator (EGen) is 3,000 hours.

8. **Question:** Will the generator be able to hold the village load during winter time?

Answer: The E-Gen has a minimum 200kW prime capacity which is adequate for the expected loads during the winter of 2026/2027.

9. **Question:** What is the hour run time between oil changes? What is est. capacity of oil?
   Answer: The scope of work is clarified to make the Contractor responsible for connecting the E-Gen to the grid and to make the utility responsible for operating the EGen. Note 3 on Sheet M1.4 and Note 3 on Sheet E1.2 are hereby replaced with the following Note 3:

   THE EXTENT OF THE MODIFICATIONS TO THE POWER PLANT WILL REQUIRE THE EXISTING GENERATORS TO BE TAKEN OFFLINE FOR APPROXIMATELY 2-3 MONTHS. A 200kW GENERATOR (E-GEN) IS LOCATED AS INDICATED AND WILL BE USED TO PROVIDE COMMUNITY POWER DURING THIS TIME. THE UTILITY WILL OPERATE AND MAINTAIN THE E-GEN. THE CONTRACTOR WILL BE REQUIRED TO DO THE FOLLOWING:

   A) PLAN THEIR WORK TO LIMIT THE TIME THAT THE E-GEN NEEDS TO OPERATE TO NO MORE THAN 4 MONTHS.

   B) SUBMIT THE SCHEDULE FOR OPERATION OF THE E-GEN TO THE AUTHORITY AND THE UTILITY FOR APPROVAL A MINIMUM OF ONE MONTH IN ADVANCE.

   C) FURNISH AND INSTALL ALL MATERIALS REQUIRED TO CONNECT THE E-GEN TO THE POWER GRID AS INDICATED ON ATTACHMENT C.

   D) SCHEDULE AN OUTAGE WITH THE UTILITY FOR CUTOVER FROM THE EXISTING POWER PLANT TO THE E-GEN. NOTE THAT THE TOTAL OUTAGE FOR THE CUTOVER MAY NOT EXCEED 8 HOURS.

10. **Question:** Is the standby generator presently connected to the grid?
    Answer: No, it is not. See answer #9.

11. **Question:** What is the drop-dead date for questions?
    Answer: 72 hours prior to bid opening, see Section 00 10 00.

12. **Question:** Can you provide us with pictures of the installed generators?
    Answer: See Attachment D for representative photos of Gen #1 and #2.

13. **Question:** Can you provide a list of all materials being supplied with the generator?
    Answer: The generator assembly and accessories are delineated in Secction 26 23 02. A brief summary of accessories includes: Sensors (see Paragraph 2.5 K); Exhaust Flex (see Paragraph 2.8); Loose Ship Accessories (see Paragraph 2.9); and Wiring Junction Box (see Paragraph 2.12).

14. **Question:** Can you let us know where the generator is currently located, on site, in Bethel, or in Anchorage?
    Answer: Anchorage, see Section 01 64 00 - Receipt of Owner Furnished Materials.

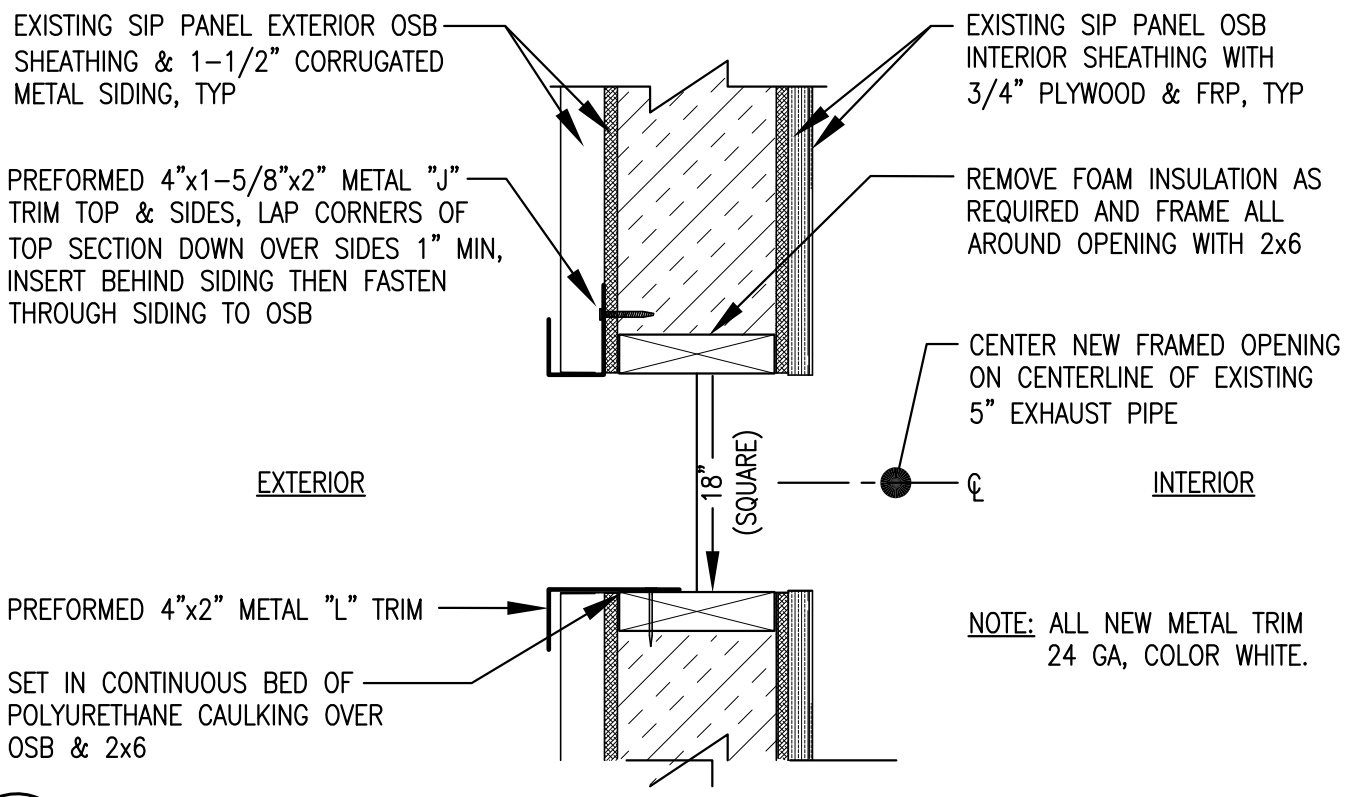
15. **Question:** Are there any living quarters available to use during the duration of this project in Tuluksak?
    Answer: The Authority does not have any information on housing availability. Bidders are responsible to secure their own housing.

16. **Question:** Can you please provide a point of contact with Tuluksak City to enquire about equipment and vehicle rentals?
    Answer: The Tuluksak Native Community contact is Kristi Napoka and the phone number (907) 695-6420.

17. **Question:** In the Project Manual, Section 080020 is listed as 080010 on the Table of Contents.
    Answer: The correct Section Number for Doors and Hardware is 08 00 20 as listed on the header and footer of the actual spec section

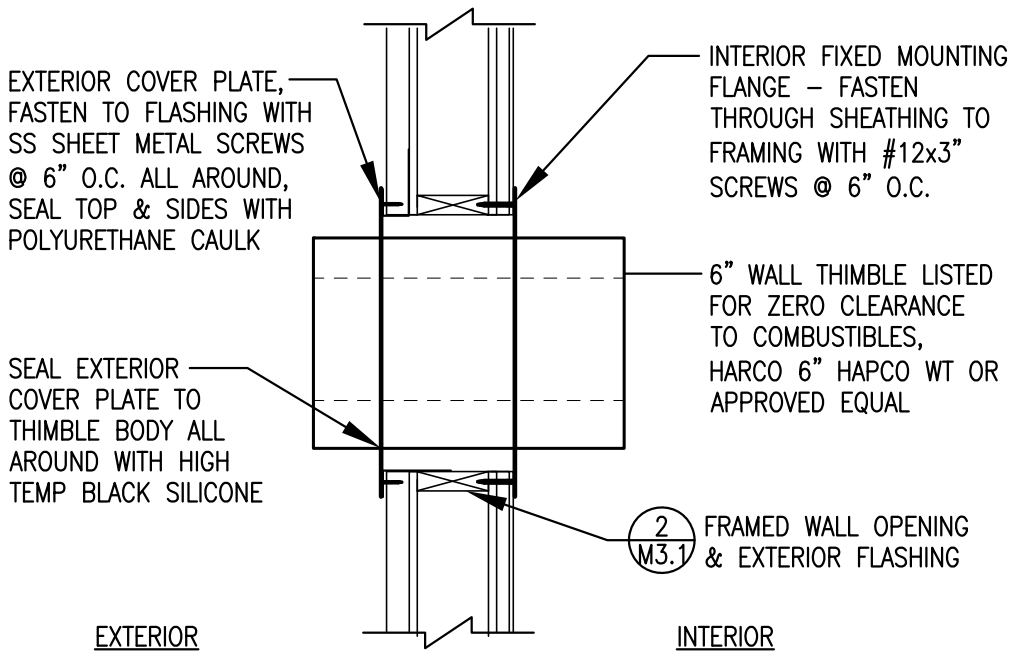
END OF ADDENDUM #01

ALASKA ENERGY AUTHORITY



2 / M3.1 NEW GEN#4 EXHAUST WALL THIMBLE OPENING MODIFICATION

NO SCALE



3 / M3.1 NEW GEN#4 EXHAUST WALL THIMBLE INSTALLATION

NO SCALE

ALASKA ENERGY AUTHORITY

Generator Information Sheet

Date	6/3/2025	Hour Meter	14
Generator Location	AEA Shop	Fuel Type	Diesel
Unit #	08-14361	Tech	Kyler Killmer
Generator Information		**Engine Information**	
Make	Blue Star	Make	John Deere
Model	JD250-02	Model	6090HF484
Serial	A-3893-1	Serial	RG6090L111830
Spec	-	Oil Capacity in Gallons	7
KW	200	Oil Filter(s)	1370
Volts	480	Fuel Filter(s)	3975
Phase	3	Fuel / Water Separator Filter	Included in filter kit^
Amps	300	Air Filter	6770 & 546771
Service and Load Bank Info.			
Date of Last O/F Service	6/11/2025	Date / Duration of Last LB	6/3/25 2 hour
Approx Time Needed for O/F Service, in Hours	1.5 hrs	Approx Time Needed for LB	3.0 hrs
Belt & Hose Age	10/1/2012	Coolant Age	10/1/2012

Notes

Lifting cage removed from generator skid. Equipped with American Locks #72585/AEA connex key. Equipped with shark 200 set for 480VAC w/ 400:5 CTs. AVR setpoint voltage was was at 460VAC, raised to 480VAC. May need field adjusted after start up.

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Generator Maintenance Report

Generator Information

Date	Hour Meter	Unit Name / Number
6/3/2025	14.0	08-14361
Generator Make	**Generator Model**	**Generator Serial**
Blue Star	JD250-02	A-3893-1
Engine Make	**Engine Model**	**Engine Serial**
John Deere	6090HF484	RG6090L111830
KW Rating	**Volts** / **Amps**	**Generator Spec**
200	480 / 300	-

Start Up		Inspection		Annual Svc	x	Repair		Load Bank	x

1.0 Engine - Battery System				Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check Battery Electrolyte Level				x		x	
2. Check Battery Connections & Terminals	Group Num	4D		x			
3. Check Battery Age	Last Change	6/11/2025		x			
4. Load Test Battery(s)						x	

Battery	Amps	Voltage	Pass / Fail	Battery	Amps	Voltage	Pass / Fail				
#1				*#3*						x	
#2				*#4*						x	

2.0 Engine - Lubricating System			Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check for Leaks			x			
2. Check Oil Level			x			
3. Check Engine Oil Pressure	Oil PSI	55	x			
4. Take Oil Sample					x	
5. Change Engine Oil, Oil Filters				x		
6. Check Hydraulic / Mechanical Governor Oil Level					x	

3.0 Engine - Cooling System			Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check for Leaks			x			
2. Cooling System Type	Liquid / Air	liquid				
3. Check Coolant Level & Freeze Point	Degree F	-35	x			
4. Check Coolant Condition	Approx Age	10/1/2012				x
5. Check Hose Condition and Connections	Approx Age	10/1/2012				
6. Check Coolant Heater Operation	Model	CB125210-200				
7. Check Radiator Cap	Rating/Size	15 PSI	x			
8. Check Operating Water Temperature	Degree F	180 F	x			
9. Pressure Test Cooling System			x			
10. Change Coolant Filters					x	
11. Take Coolant Sample					x	
12. Check Fan Hub, Drive Pulley, Belt Tension / Condition & Water Pump Weep Hole			x			
13. Check Radiator Ductwork and Fan Shroud			x			
14. Check Motor or Mechanical Louver Operation					x	

4.0 Engine - Air Intake System	Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check for Leaks	x			
2. Check Air Filters for Restriction	x			
3. Check all Air Intake Piping	x			

5.0 Engine - Fuel System			Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check for Leaks			x			
2. Fuel System Type	Diesel / Nat Gas / LPG	Diesel				
3. Check Fuel Level	Main Tank	low			x	
4. Check Fuel Lines & Connections			x			
5. Change Fuel Filters				x		
6. Change Water Separator Filters				x		
7. Check Governor Control Linkage					x	
8. Take Fuel Sample					x	

6.0 Engine - Electrical System			Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check Battery Charger	Volts DC	14.5	x			
2. Check Engine Alternator	Volts DC	14.3	x			
3. Check Spark Plugs, Plug Wires, Points, Cond, Cap & Rotor						
4. Check Engine Safety Controls & Alarms on Non ECM based Engines					x	

7.0 Engine - Related Systems	Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check for Vibration & Metal Cracks	x			
2. Check Engine Mounting Hardware	x			
3. Grease Fan Pillow Block Bearing			x	

8.0 Engine - Exhaust System	Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Check for Leaks	x			
2. Check Exhaust Condition (I.E. Flex, Pipe, Silencer, Hangers, rain cap, etc)	x			

9.0 Main Generator	Ok	Changed or Svc'd	Does Not Apply	ATTN Required
1. Visual Inspection of Windings for Damage or Debris	x			
2. Check Air Inlet & Outlet Restrictions	x			
3. Check Output Circuit Breaker for Loose or Unsatisfactory Lug Connections	x			

Comments / Recommendations
Kyler installed a Shark 200 meter, 400/5 CTs, performed a full inspection and ran load test for 2 hours.When unit returns from Tuluksak, recommend flushing cooling system and filling with 50/50 ELC

Technician Signature:	Kyler Killmer	***Date:***	6/3/2025

GENERATOR SET LOAD TEST REPORT

Site Location.	AEA Shop
unit #	08-14361
DATE OF TEST	6/3/2025
TECHNICIAN	Kyler Killmer

ENGINE MAKE	John Deere
ENGINE MODEL	6090HF484
ENGINE SERIAL	RG6090L111830
GEN MAKE	Blue Star
GEN MODEL	JD250-02
GEN SERIAL	A-3893-1
SPEC.	-

KW	200
VOLTAGE	480
FREQ	60
P.F.	0.8
AMPS	301
PHASE	3

TIME	LOAD	ENG	AMBIENT	Field	Field	VOLTAGE	VOLTAGE	VOLTAGE	CURRENT	CURRENT	CURRENT	FREQ	POWER	POWER		ENGINE					
DURATION	% of Unit KW	Hrs.	AIR TEMP *F	Voltage	Current	3 Phase Ph A - B	3 Phase Ph B - C	3 Phase Ph C - A	3 Phase Phase A	3 Phase Phase B	3 Phase Phase C		KW	3 ph, KVA	PF	Water	DC/Charge	Oil	Exhaust Temp		Engine
				Optional	Optional	1 Phase L1 - N	1 Phase L2 - N	1 Phase L1 - L2	1 Phase L1-Single Ph	1 Phase L2-Single Ph						temp-F	volts	Psi	Left/Front	Right/Rear	Misc.
0:00	23.7%	14.0	40 F			480	482	481	57 A	57 A	57 A	60.1	47.5	47.5	1.0	174	14.4	46			
0:15	23.7%	14.3	40 F			480	482	481	57 A	57 A	57 A	60.1	47.5	47.5	1.0	181	14.4	45			
0:30	47.9%	14.5	40 F			480	482	480	115 A	115 A	115 A	60.1	95.7	95.7	1.0	180	14.4	42			
0:45	47.9%	14.8	40 F			480	482	480	115 A	115 A	115 A	60.1	95.7	95.7	1.0	180	14.4	42			
1:00	73.7%	15.0	40 F			480	482	480	177 A	177 A	177 A	60.1	147.4	147.4	1.0	181	14.4	41			
1:15	73.7%	15.3	40 F			480	482	480	177 A	177 A	177 A	60.1	147.4	147.4	1.0	181	14.4	41			
1:30	93.2%	15.5	40 F			480	482	480	224 A	224 A	224 A	60.1	186.5	186.5	1.0	183	14.4	40			
1:45	93.2%	15.8	40 F			480	482	480	224 A	224 A	224 A	60.1	186.5	186.5	1.0	185	14.4	40			
2:00	100.0%	16.0	40 F			479	482	480	240 A	241 A	240 A	60.1	199.9	199.9	1.0	185	14.4	40			

NOTES

Performed load test incrementally stepping load up to 200 kw/100% load. Verifed shark 200 meter operation. Checked connections torque, conductor chaffing, etc.

Attachment C Tuluksak E-Gen Temporary Connection to Grid

New 200kW generator located at base of step up transformer bank.

Existing 480V step up transformers.

Location of bus bars for power connection (300A breaker located immediately above)

Bus Bars

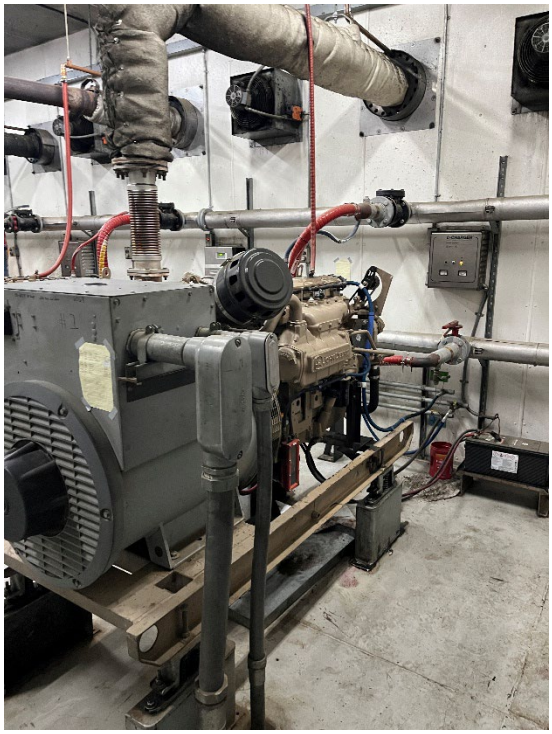
Installation Notes:

1) Drive a 3/4”x10’ copper clad ground rod adjacent to the generator and bond to the generator ground lug or frame with minimum #2/0 copper.

2) Route 4 each minimum 300A rated conductors in temporary raceway from 480V bus bars in generator up pole and connect to step up secondary.

Attachment D Tuluksak Existing Gen#1 & Gen#2 Photos

Existing Gen#1



Existing Gen#2 (Gen#1 Behind)

Existing Gen#2 (Old Gen#3 Behind)