

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>J</b>	PAGE OF PAGES <b>1   7</b>
2. AMENDMENT/MODIFICATION NO. <b>0001</b>		3. EFFECTIVE DATE <b>08-Sep-2023</b>	4. REQUISITION/PURCHASE REQ. NO. <b>W81G6730532764</b>		5. PROJECT NO.(If applicable)
6. ISSUED BY CONTRACTING DIVISION USACE, ST PAUL 332 MINNESOTA STREET SUITE E1500 ST PAUL MN 55101-1323		CODE <b>W912ES</b>	7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. <b>W912ES23Q0084</b>
				X	9B. DATED (SEE ITEM 11) <b>28-Aug-2023</b>
					10A. MOD. OF CONTRACT/ORDER NO.
					10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  The purpose of this amendment is to create a Questions and Answers section and extend the project completion date from May to August 2024 (SOW part 5 and FAR 52.211-10).					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)		<b>08-Sep-2023</b>

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SECTION 00 10 00 - SOLICITATION

The following Delivery Schedule item for CLIN 0001 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
31-MAY-2024	1	ORWELL LAKE DAM DA, CORPS OF ENGINEERS 14780 ORWELL ROAD FERGUS FALLS MN 56537-7228 FOB: Destination	W912ES

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
30-AUG-2024	1	ORWELL LAKE DAM DA, CORPS OF ENGINEERS 14780 ORWELL ROAD FERGUS FALLS MN 56537-7228 FOB: Destination	W912ES

The following have been added by full text:

QUESTIONS AND ANSWERS

Q1: Will engineered drawings be provided indicating conduit/conductor sizing and types?

A1: No. Existing electrical diagrams have been provided, see Attachment 4.

Q2: Is the new pad at the same elevation as the existing generator building?

A2: Yes

Q3: We are assuming that there is no automatic transfer switch, is this a "Kirk Key" installation?

A3: Yes, the circuits that are on utility will have their sources transferred with kirk key.

Q4: Will concrete sawing be required?

A4: Yes

Q5: Has the Government considered installing the new generator within the building ? Easier maintenance, much cheaper than a housed unit, reuse existing storage tank etc.

A5: Consideration was made, but the Government wants to remove the noise and potential exhaust pollution from having the unit inside of the building.

The following have been modified:

SCOPE OF WORK

## Scope of Work for the Orwell Dam Generator Replacement

### STATEMENT OF WORK.

- 1. General:** The scope of this project is to replace the generator located at Orwell Dam near Fergus Falls, Minnesota, see attached map and images. The Orwell Dam has a single gate dam on the Otter Tail River. The single gate has four 25 KW air heaters to maintain operability during the winter months, through any weather event. Due to the limited electrical power available and the critical role of the gate the heaters are powered by a generator. The condition of the current generator is deteriorating and is needing replacing. The new generator needs to be located outside the existing building and needs to be remotely controlled to maintain operability and reduce safety risks. Contractor shall install a new concrete pad for placement of the new generator and it's fuel system. Installation shall conform to the National Electric Code (2023) and National Electric Safety Code (2023). The location of the new generator must be coordinated with Orwell Dam personnel.
- 2. Measurement and Payment:** The payment provided for in the contract shall constitute full compensation for furnishing all materials and for performing all work under the contract in a complete and acceptable manner. The contract work shall include providing plant, equipment, tools, supplies, labor, supervision, incidental materials, quality control, environmental protection, meeting safety requirements, and for performing all work required for which separate payment is not otherwise provided. Compensation for all work shown, specified, or essential to completion of the project (whether or not the specific material or operation is indicated) shall be included in the quoted amount. The payment provided for in the contract includes compensation for all risk, loss, damage, and expense arising out of the nature of the work or its prosecution, subject to conditions of the contract. Prior to submitting a quote, the Contractor shall verify all conductor distances.
- 3. Site Visit:** Contractors are encouraged to visit the site prior to quote. A one-time, non-mandatory site visit will be held (see FAR clause 52.236-27, Alt I for details).

4. **Safety Plan:** The Contractor shall submit a safety plan for performing the work. The safety plan shall be in conformance with the Safety and Health Requirements Manual, U.S. Army Corps of Engineers (USACE), EM 385-1-1 (latest edition). The safety plan shall be reviewed by USACE and discussed at the initial pre-construction meeting to be held at the Orwell Dam.
5. **Schedule:** All work shall be completed by August 30, 2024 (or as modified) due to anticipated high water issues in the spring. In addition, operability of the single gate at Orwell Dam must not be impacted. For the purposes of this contract, the generator shall be completely functional and connected during the critical period over winter when ice is present on the lake.
6. **Power Outages to the Site:** To the maximum extent possible, power to the dam shall remain energized. The Contractor shall coordinate with the Orwell Dam personnel prior to power de-energizing with at least one weeks' notice. Power outages to the site shall be kept to a minimum and not to exceed 1 calendar day, unless otherwise coordinated.
7. **Minnesota One Call Excavation Notice System:** The Contractor shall meet the requirements of Minnesota Statutes, Chapter 216D "One Call Excavation Notice System."
8. **Work Plan:** The Contractor shall submit a plan that details the sequence and scheduling of the proposed work. The work plan shall be submitted within 10 business days of contract award. The work plan shall be discussed at the initial pre-construction meeting to be held at the Orwell Dam.
9. **Pavement Removal and Replacement:** Where roads are cut, removed, or otherwise damaged in the prosecution of the work, the Contractor shall replace all pavements or other surfaces so removed or damaged, to their pre-construction condition, unless otherwise specified or indicated. Restoration of impacted surfaces shall be completed no later than 30-calendar days after removal or damage.
10. **Shop Drawings:** The work plan and safety plan shall be submitted as noted above. Both items shall be submitted prior to the pre-construction meeting. Other shop drawing submittals include the following:
  - a. a. Layout drawing of the site with location of generator and the routing of conductors.
  - b. b. Cabinet layout with transfer switch and electrical.
11. **Clean Up:** Contractor shall be responsible for removal and disposal of all construction debris and materials. Disposal of debris shall be off-site and meet all local and state codes.
12. **Coordination:** All work shall be coordinated with the project lead at Orwell Dam.

13. **Initial Meeting:** A pre-construction meeting shall be held at Orwell Dam before commencing work. The safety plan, work plan, schedule, and coordination issues shall be discussed. The Contractor shall submit the safety plan and work plan for review prior to the meeting.
14. **Experience:** Contractor shall have at least 3 years of similar work conducted within the last 10 years, be an experienced electrical contractor, and licensed by the State of Minnesota.
15. **Power:** Contractor is allowed to use limited electrical utility already in place (without modification to the system) during construction. Contractor to coordinate with Orwell Dam personnel prior to usage.
16. **Sanitary Facilities:** Contractor shall provide their own sanitary facilities during construction.
17. **Reference Drawings:** For existing facility electrical system, see “Orwell Dam Electrical Drawings” (attachment 4).
18. **Electrical Scope:**
  - A. Install a new generator:
    1. The generator needs be capable of providing at least 125kW 120/208V 3 phase power.
      - a. The enclosure, generator set, exhaust system, tank, control system to be pre-assembled and pre-integrated.
      - b. The generator shall be placed on a new dedicated concrete pad of appropriate size and strength to support the new generator.
    2. The generator needs to have an integrated enclosure that is weather protective and corrosion resistant.
    3. The generator shall be capable of reliably starting in -40°F.
    4. The generator needs to have a belly/base fuel tank with enough capacity to be able to be operated for 8hrs/day for 4 days before requiring refueling.
    5. Install conductors (copper XHHW type), conduit (PVC coated rigid steel conduit for underground, rigid steel conduit, or liquid-tight metallic conduit), and grounding as required by the NEC.
  - B. Remote operating/control system for the generator
    1. The remote unit/system needs to be factory installed from the generator manufacturer or an authorized dealer / installer.
    2. The remote operating unit/system needs be capable of operating the generator remotely from anywhere through a connection that is cellular/mobile; available on more than one “smart cell phone”; and available for both Android and Apple devices.
    3. Remote operations include, but are not limited to:
      - a. Starting and stopping the generator.

- b. Real-time notifications/alarms for faults and interrupted operation.
    - i. Needs to include: Unexpected shutdowns, insufficient power being generated, and power not being transferred to the heater circuits.
  - c. Real-time notifications/alarms for power loss to the generator.
  - d. Real-time information needs to be available showing which heater circuits are energized, or the KW output of the generator.
- C. Install an Automatic transfer switch and Contactors for transferring load to the generator.
- 1. Automatically closes switches once the generator is up to speed.
  - 2. The generator shall provide power to “on generator only” heater and to the gate hoist system and incidental lights around the gage house.
  - 3. Install 4 contactors, Hand-Off Auto (HOA) switches in an enclosure for the heater circuits. The relays will be staggered to close every 15 seconds, powering an additional heater.
- D. Removal of existing generator
- 1. Generator needs to be removed only. The generator shall be relocated to a location outside of the building and coordinated with Orwell personnel (to be located on site) for final removal by USACE. See Attachment 3 – Proposed New Generator Location.
  - 2. Remove existing generator to include base structure, fuel tanks, and exhaust (See Attachment 2). Penetrations through walls, such as the louver, need to remain in place.
  - 3. Remove any associated bracing and supports. Any bolts embedded in concrete shall be cutoff flush with the surface.

## SECTION 00 70 00 - CONDITIONS OF THE CONTRACT

The following have been modified:

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984) -  
ALTERNATE I (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 30 August 2024. The time stated for completion shall include final cleanup of the premises.

The completion date is based on the assumption that the successful offeror will receive the notice to proceed by 31 October 2023. The completion date will be extended by the number of calendar days after the above date that the Contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the Contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.

(End of clause)

(End of Summary of Changes)