



Purchasing Division
Finance Department
Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum No. 6 **Solicitation #25-0431**

Scope 1: Coal Burner to Natural Gas and Fuel Oil Burner: Balance of Plant and Fuel Oil System

This addendum serves to notify all bidders of the following changes to the solicitation documents:

The following are questions asked by contractors and their subsequent answers:

1. Question: Does the DCS communicate directly/natively to an Allen Bradley (Rockwell Automation) protocol without the need for any additional hardware or software on the control side? What ethernet protocol is needed, i.e. Modbus, Ethernet/IP, or Ovation Rockwell OPC driver?

Answer: There is no DCS in this plant. SCADA only.

The Existing Balance of Plant controls are Rockwell:

- Control Logix PLCs
- FT View SE Standalone with two PCs

2. Question: What level of "remote" control of the boilers is the customer expecting from their Ovation SCADA system? These are differing scopes, and we are looking for complete scope identification.

Answer:

- "remote monitoring of basic data and alarm/not alarm only".
Yes
- "remote setpoint control"
Yes
- "full duplication of boiler control HMI and all functionality in the DCS".
Yes

3. Question: Another way to ask the above question might be: Is it acceptable to use the same data file strategy with the customer's Ovation SCADA platform on this project that was implemented on the District Energy St. Paul project 2019-2020?

Answer: It is acceptable to use standard practice for control of boilers remotely. If this was approved and completed successfully on other Ever-Green Projects, it is acceptable.

4. Question: Is it acceptable to use the same control strategy on the steam turbine controls on this project that was implemented on the District Energy St. Paul project 2019-2020?
Answer: Standard steam turbine control is acceptable. If this was approved and completed successfully on other Ever-Green Projects, it is acceptable.
5. Question: Based on responses to control question above (Items 1-4) we will need more time to complete the engineering on the controls. A one (1) week extension is requested.
Answer: One-week extension is acceptable. **Bids due August 14th, 2025 at 2:00 PM.**
6. Question: After consulting with multiple burner vendors, it is not possible to meet the required NOx emissions level on fuel oil with the limitations noted in specification section 235230, 3.01, G, a (i.e. low NOx burner only technology). Would a higher emission limit be allowed for oil firing as it is just a backup fuel?
Answer: After review with air permitting engineer, up to 0.200 #/MMBtu for fuel oil would be permissible under current permitting limits.
7. Question: Would DES be willing to accept an alternate technology to meet the oil firing emissions requirements (e.g. OFA, FGR, steam injection, remove air preheater and replace with economizer, etc.)?
Answer: Yes. Preferred arrangement would be replacing air preheater with an economizer and modifying FD fan duct to windbox. If replacement of FD fan is required to guarantee emissions limits, please provide a cost to furnish and install as an add alternate. If an alternate approach for burner is proposed, Bidder shall provide a clearly worded clarification and assumptions that outlines approach.
8. Question: Can DES please confirm that the emissions requirements stated in the bid documents do not apply to the existing gas burners on boiler 2 & 3?
Answer: Emission requirements only refer to new equipment.
9. Question: In the previous RFI, a 7-day bid extension was requested. This was due to the time required for burner vendors to prepare proposals. The issue in meeting the specified NOx requirements has caused them to revise their strategy and pushed out proposal dates.
Answer: An additional extension is acceptable. **Bids due August 14th, 2025 at 2:00 PM**
10. Question: Current vendor lead times do not allow the project schedule to meet the Boiler 1 & 4 substantial completion milestone by June 15, 2026 with the 60 day bid hold period. Can the milestone date be pushed back to 30 days ahead of the Boiler 2 & 3 substantial completion (August 15, 2026), with the final completion date remaining unchanged?
Answer: This is acceptable.

11. Question: Please confirm if a micropile deep foundation system is acceptable in lieu of driven piles. We believe this system can be very cost effective based on the existing site geotechnical conditions. Please note that some of our subcontractors have only provided this option in lieu of driven piles.
Answer: Yes, a micropile system is an acceptable alternative to driven piles. The micropiles must meet all structural requirements to adequately support the tank and its foundation. The final piling solution, whether driven or micropiles, must achieve the minimum capacity listed in the plan notes on S201. In this case, that's 75 tons per pile (working) with a minimum factor of safety = 2.0.
12. Question: Can the bid forms include "check boxes" for exceptions and exemptions to the existing specification with a precise definition of the exception or exemption (i.e. Emissions Guarantee)? Further, will the bids be accepted and reviewed with accompanying in-depth technical explanations for various equipment scenarios for each line item cost that is requested?
Answer: This addendum includes an updated bid form for Scope 1 and Scope 2. The forms now include a checkbox for deviations from the specifications, which must be accompanied by a written summary explaining any changes from the original specifications. We'll review all bids for compliance and for any technical explanations regarding alternative equipment or installation methods.

Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **August 4, 2025**