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**ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT**

INVITATION TO BID NO. 24-DES-ITBPW-583

ADDENDUM NO. 1

Arlington County Invitation to Bid No.24-DES-ITBPW-583 for electric panelboard replacement received the following questions:

1. Reference Doc. Page/Section Question 1 ITB p.92 Attachment F Should we provide a completed Attachment F - Contractor Performance Evaluation Form for each of our company qualifications projects with our bid?

Response: No, this document will be used during the term of the contract and does not need to be filled out for the bid response.

2. Drawing E-1 Hazardous Location General Note 1 Hazardous Location General Note 1 permits the use of Rigid Galvanized Steel conduit in the classified area in accordance with NEC 501.10(A) and 501.10(B), but also states "Metal conduit must provide sufficient corrosion resistance for use within the hazardous location." Please confirm that RGS conduit will provide sufficient corrosion resistance against the gasses expected to be present in the hazardous location. If not, please specify the conduit required to be installed in the Hazardous location, e.g., PVC-Coated RGS, Rigid Stainless Steel (304/316).

Response: Rigid Galvanized Steel conduit in the classified area is acceptable.

3. Drawing E-1 Hazardous Location General Note 1 Please confirm whether galvanized steel hardware is acceptable for bracing/supports to be installed in the hazardous area or if stainless steel hardware will be required for corrosion resistance.

Response: Stainless steel hardware will be required for corrosion resistance.

4. Drawing E-3 Specific Note 2 Specific Note 2 states, "Provide temporary genset to power new PNL MDB during construction phasing... Coordinate with owner for available locations to place temporary genset." Please provide a preliminary worst case scenario location for the temporary genset. This is necessary to ensure the cost of temporary feeders is captured.

Response: Temporary generator can be located behind the main electrical room on the 1st floor please verify proposed generator location with user).

5. Drawing E-3 Specific Note 10 Specific Note 10 states "At existing ductwork and piping located above panel and transformer location, provide leak protection system. Existing ductwork and piping falls within the six feet of dedicated electrical space above the electrical equipment that is required per NEC 110.26(E)(1). When space is modified to solids testing lab, consider relocation and/or removal of existing ductwork and piping." Please confirm the relocation/removal of existing ductwork is not within the scope of this RFP and is to be performed by others.

Response: relocation/removal of existing ductwork is not within the scope of this RFP.

6. Drawing G-1 General Note 17 General Note 17 specifies that, "All interior conduit in non-corrosive and/or dry areas shall be rigid galvanized steel." During the site walk it was found that some currently installed conduit is EMT. Will the contractor be responsible for replacing any noncompliant conduits?

Response: All new conduits shall be RGS. The contractor is not responsible for replacing the existing EMT conduits.

7. Drawing G-1 General Note 27 Please elaborate on the required "Hot" equipment, as it is our understanding that the outages are intended to mitigate live electrical work.

Response: We do not anticipate "Hot" "Live" or "Energized work" after all circuits that require continuous power are transferred to the temporary generator.

8. Drawing G-1 General Note 27 Please provide the date of the last incident energy analysis of the panels on which work will be performed.

Response: There is no arc flash study available. The contractor is responsible for performing the short circuit, coordination, and arc flash studies.

9. Please provide standard operating procedures for outages (e.g., how are we to submit for outages, who will be manipulating equipment/breakers, LOTO procedure).

Response: Please coordinate outages in advance with plant representative. Operation of breakers and LOTO associated with panelboard replacements will be contractor's responsibility.

10. Drawing E-4 Will receptacles fed from PPC-72 be installed within existing wireway? If not, at what height are the receptacles to be installed?

Response: Receptacles shall be mounted 18" AFF.

11. Drawing E-4 Is the intent to install the receptacle on the east side of the south wall of Lab 327, fed from circuit PPC-76, in the available space in the fume hood? If not please clarify intended installation location of this receptacle.

Response: These receptacles are not for fume hoods. The lab requires additional receptacles.

12. Will architectural drawings be provided so we can understand classification and firestopping requirements of the building?

Response: There are no architectural drawings.

13. Is the intent to pull new wiring for existing circuits that are being relocated/extended, or is it acceptable to splice with existing circuits to extend these circuits to their new location?

Response: Our intention is to provide new wiring for existing circuits that are being relocated/extended.

14. Will Arlington County DES mitigate the code violation issues pertaining to the panelboards prior to commencement of work, or should the cost of mitigation be included with proposal?

Response: Please verify whether the existing code violations need to be mitigated since the panels will be de-energized after all critical loads are transferred to the temp generator.

15. Are there any special PPE requirements for locations in which work will be performed (e.g., Tyvek/Tychem coveralls, safety goggles, etc.)?

Response: There are no special PPE requirements. Most of the work will be in the electrical rooms/closets.

16. G-2 Phase Notes Is the intent to provide temporary power one a per circuit basis, or for an entire panel at a time?

Response: Provide temporary power to entire panel at a time.

17. G-2 Phase Notes Is it acceptable to provide temporary power using temporary cords, and if so, will those cords be required to be removed on a daily basis or can they remain until work is complete?

Response: Temporary cords may remain. However, the temporary cords shall be installed in safe manner, protected, and shall not impact the building operations.

18. Specification 26 24 16 Section 3.4(B)(2) Is it permissible to perform NETA testing of circuit breakers at contractor's offsite testing facility?

Response: Yes, it is permissible to perform NETA testing of circuit breakers at contractor's offsite testing facility with proper testing documentation and certifications.

19. Drawing E-3 & Specification 26 22 13 Specific Note 9 & Section 2.3 (E)(4)(b) Drawing E-3 Specific Note 9 instructs the contractor to, "Provide a transformer with enclosure rated for use in a hazardous location that meets the requirements for a Class I Division 2 location and complies with NEC 501.100(B). Specification 26 22 13 2.3(E)(4)(b) requires that transformers in hazardous locations are, "Compliant with requirements for Class I Division 1 space." As these two requirements contradict, please confirm which requirement should be followed. Please note that

due to limited availability of 45kVA transformers listed for Class I Division 1 locations the more stringent requirement, Specification 26 22 13 2.3(E)(4)(b), would require significant changes to the drawings provided with the RFP. Additionally, if Drawing E-3 Specific Note 9 is to be followed, the auto ignition temperature (AIT) of gasses present in the hazardous location will need to be known and provided to ensure the maximum operating temperature of the transformer does not exceed the AIT of the gasses.

Response: The transformer shall be Eaton’s Crouse-Hinds Hazardous Location XDT Series Dry-Type Transformers or equal.

20. Drawing E-4 Specific Note 4 Specific Note 4 instructs the contractor to provide a circuit breaker in Existing Panel MDB for temporary power to Panel PPD, and states, "New breaker must match manufacturer and AIC rating of existing distribution panelboard." As Federal Pacific Electric Co. circuit breakers are no longer in production our intent is to provide an equivalent circuit breaker.

Response: It is acceptable to provide an equivalent circuit breaker with matching AIC rating.

The balance of the solicitation remains unchanged.

Arlington County, Virginia

Lucas Alexander, VCO, VCA
Procurement Officer

RETURN THIS PAGE, FULLY COMPLETED AND SIGNED, WITH YOUR BID:

BIDDER ACKNOWLEDGES RECEIPT OF ADDENDUM NUMBER 1.

FIRM NAME: _____

AUTHORIZED SIGNATURE: _____ **DATE:** _____