PRE-PROPOSAL INQUIRY ATTACHMENT					
Solicitation Number: N4008519F4464- RFP 19-0079					Contractor: ECC
Electrical Distribution and PV Repair					
Contractor POC (Name and email): Brock Trubiano					ftrubiano@ecc.net
Instructions: **DO NOT** submit in PDF format. **DO submit as a word document**					
Contractor PPI#	Section of RFP or Page Number	Paragraph Reference	Drawing Number	Question	RESPONSE
1.	NA	N/A	NA	Please provide a list of generators that need replacement.	Answered 4/11/19
2.	NA	N/A	NA	Please provide a specification for the procurement selection and installation of generators.	Answered 4/11/19
3.	NA	N/A	NA	Is an Arc Flash Analysis required for any of the transformer replacement work?	The desired intent is that the subject work be completed in a de-energized state. If the work is de-energized an arc flash analysis is not required. If energized work is required, an energized work permit must be completed and approved in accordance with NAVFAC policies. Energized work permit approval requires an arc flash analysis be completed as part of the accompanying documentation.
4.	NA	N/A	NA	Please provide 2012 Base Arc Flash Study.	Government is unable to provide the document at this time.
5.	NA	N/A	NA	Can the base 2012 Arc Flash Study be used in lieu of Contractor developed study to determine appropriate standoff distance for hot work permit.	If energized work is required, an energized work permit must be completed and approved in accordance with NAVFAC policies. Energized work permit approval requires an arc flash analysis be completed as part of the accompanying documentation.
6				To eliminate Hot Work requirements associated with the Medium Voltage (MV) primary cable replacement scope of work, Please confirm the below approach will be acceptable and added as a requirement to the RFP:	Concur. Base supports the described approach which permits the contractor to perform necessary work in a de-energized state. Contractor shall coordinate with base electrical utilities and NAVFAC to develop an acceptable work plan. Contractor shall be prepared to work within reasonable limits of

				1. The base High Voltage personnel will open the cutouts to de-energize the transformer primary feeder, disconnect the line side of the cutout, and place rubber boots on the overhead lines. 2. Upon completion of the above, the Contractor may safely proceed with the work without the need for a Hot Work Permit. 3. Upon completion of the Contractor work, the base HV personnel will provide services to reconnect and restore the transformer primary feeder.	available high voltage personnel manpower and resources. Refer to UFC 03-560-01 "Electrical Safety O&M" for additional clarity on electrical safety.
7				Confirm that the Work Plan described in Item 6 above eliminates the need for the Arc Flash Analysis since all Contractor work will be performed on de-energized equipment	The base supports the approach, outlined in question 6, as the general framework to allow the contractor to complete the electrical scope in a de-energized state. De-energized work does not require an arc flash analysis. Refer to UFC 03-560-01 "Electrical Safety O&M" for additional clarity on electrical safety.
8				In several locations, circuit breakers and/or panelboards are installed in the existing transformer secondary compartments. Confirm that this equipment shall be demolished with the existing transformer and replaced with like components in NEMA 3R enclosures which shall be installed on an outdoor rack adjacent to the new transformer.	Confirmed. Circuit breakers and panelboards installed in existing secondary compartments shall be demolished and replaced with components that meet or exceed existing equipment requirements. Locations that utilize enclosures that exceed NEMA 3R shall be replaced with a matching NEMA enclosure type. New equipment is permitted to be installed on an approved galvanized steel rack adjacent to the new transformer. Reconnect all conductors and restore to original operating state.
9				Please confirm whether the circuit breakers and/or panelboards installed in the transformer	A finite number of in-service components will not be available prior to solicitation period.

				secondary compartment are still in service prior to ordering new equipment. If a finite number cannot be identified within the solicitation period. The Government may want to provide an assumption for bidding purposes. ECC suggests: Assume 30% of the transformers to be replaced will require relocation of these secondary components. For each location, include 1. 600A, NEMA 3R Panelboard, 65kAIC, copper bussing with 600A main breaker. Include space for two additional 3-pole breakers up to 400A. 2. Galvanized steel rack installed within 5 feet of new transformer to accommodate installation of new panelboard. 3. Rerouting and reconnection of existing transformer secondary cables to new panelboard.	For bidding purposes assume 30% of the total transformers will require additional work related to the replacement and relocations of secondary panelboards and circuit breakers. For bidding purposes assume 30% of total transformer locations will require: 1. 600A, NEMA 3R Panelboard, 65kAIC, copper bussing with 600A main breaker. Include space for two additional 3-pole breakers up to 400A. 2. Galvanized steel rack installed within 5 feet of new transformer to accommodate installation of new panelboard. 3. Rerouting and reconnection of existing transformer secondary cables to new panelboard. During the performance period the contractor shall document the type, size, and quantity of all replaced secondary equipment components and provide a current status log to the government upon request. Any quantities and materials required less than indicated will be applied as a credit back to the government.
10				The RFP included Attachment 3 – Electrical Policies and Criteria. Confirm that only Section 4 – Medium Voltage Electrical Distribution and Section 6 – Generators are applicable to the Scope of Work.	Only sections 4 and 6 are applicable to this work. Comply with all applicable codes including, but not limited to, NFPA 70, NFPA 70E, and IEEE C2. Follow Unified Facilities Criteria (UFC) UFC 3-550-01, UFC 3-560-01, UFC 3-540-01 and related criteria.

11				The SOW states to provide Medium Voltage cable with concentric neutral. The UFC and Specification 26 05 13.00 40 states to provide Medium Voltage cable with taped shielding. Confirm that either is acceptable and that ECC will not be forced to use the tape shielded approach.	Provide in accordance with UFC. Provide medium voltage cable with tape shielding with a separate grounding conductor.
12				Confirm the following scope of work: Some transformers to be replaced contain loop-fed primary cabling. Only the primary cables from the pole-riser to the transformer will be replaced. All loop-feed cabling shall remain and be reconnected to the new transformer. The terminations on the loop-fed cables will need to be changed to load break connections.	Confirmed. Only primary cables from the originating supply source shall be replaced. Non-supply loop feed cabling will remain and be reconnected to the new transformer. Make all necessary changes to cable terminations to load break connections as required.
13				Confirm the following scope of work: When a transformer contain loop-fed primary cabling, only the primary cables from the pole-riser to the transformer will be replaced. All loop-feed cabling shall remain and be reconnected to the new transformer. The terminations on the loop-fed cables will need to be changed to load break connections.	Duplicate question. See response from #12.
14				Confirm that the new meter bases, current transformers, and meter test blocks are to be provided with each new transformer.	Confirmed. New meter bases, current transformers, and meter test blocks are to be provided with each new transformer.

15				Confirm that where applicable, facility generators will be used as the source of power while the transformer is being replaced.	The existing facility generators are permitted to be used as a primary power source under mutually agreeable terms by base electrical utilities, NAVFAC, and the contractor. The government retains the right to deny any requests for generator use.
16				Confirm that the Contractor shall assume there is no contaminated soil in the transformer locations.	Contractor shall field verify all conditions prior to beginning work.
17				Please identify the location to dispose of the small amounts of excavated material generated with transformer pad demolition and replacement.	Disposal location will depend on type and quantity of materials being disposed. Contractor shall coordinate disposal needs with base landfill. Any disposal not supported by base landfill will be the contractors responsibility to secure offsite disposal.
18				Confirm that the maximum allowable electrical outage for each location is 48-hours.	Maximum outage length will vary by facility. It is expected that the contractor will prebuild to the maximum extent practicable to reduce outage times. Contractor should expect to encounter situations where multiple shift/night/weekend work may be required.