

**Request for Proposals for Provision for Pre-Purchase Equipment: Engine Generator Sets, Paralleling Gear, and Automatic Transfer Switches at the Jacob K. Javits Convention Center**

**Questions and Answers**

Release Date: November 4, 2016

The following are a list of responses to questions submitted by prospective respondents (“Respondents”) to ESD’s Request of Proposals dated September 26, 2016 (“RFP”) for Pre-Purchase Equipment related to Engine Generator Sets, Paralleling Gear and Automatic Transfer Switches. A copy of the RFP is also available at: <http://www.esd.ny.gov/CorporateInformation/RFPs.html>.

Questions listed in this document were received in writing following the release of the RFP on September 26, 2016.

#	Question	Response
1	Please confirm our scope of supply is to only include the following Specification Sections: a. 260548 (Vibration Isolation and Seismic Restraints) b. 263213 (480 / 277 Volt Life-Safety Diesel Engine Generator) c. 263214 (13.2kv Standby Diesel Engine Generators) d. 262313 (13.2 kv Automatic Paralleling Synchronizing Switchgear) e. 263212 (Radiator Mounted Resistive Load Bank) f. 263623 (480 277 Volt Automatic Transfer Switches) g. 263625 (13.2 kv Automatic Transfer Switches) h. 263628 (13.2 kv Outdoor resistive Load Bank).	Specification section 260913 is to be priced as an add alternate. See revised Rider C
2	Specification 263214 (13.2 kv Standby Diesel Engine Generators) Part 1, 1.1, A. & Drawing E-503 (Electrical New Overall Single Lien Diagram – Phase 3 (Final) requires three (3) 3.5mw generators, whereas Specification 262313 (13.2 kv Automatic Paralleling / Synchronizing Switchgear) requires three (3) 4.0 mw generators. Please confirm the requirement is for three (3) 3.5 mw generators.	Requirements are for three (3)- 3.5 MW generators.

3	<p>Specification 263214 Part 1, 1.1, B., 4. requires fuel supply and storage system whereas (specified in 263214, Part 2, item 2.9, D.) Specification 263214 Part 1, 1.4 states Work Under HVAC Section which includes item B. (300 Gallon Common Day Tank). Please confirm the fuel storage day tank &amp; all associated fuel system items external to the generator set (i.e. main tank, etc.) are not part of our scope of supply.</p>	<p>Correct, The Mechanical Contractor is to provide all fuel storage equipment, including day tank and the electrical is to provide all power and control wiring/conduit.</p>
4	<p>Specification 263214 Part 1, 1.1, C. refers to installing of equipment. Please confirm any &amp; all installation is not covered or included in our scope of supply.</p>	<p>This scope of work only requires the furnishing of the pre-purchase equipment. Installation will be done by others.</p>
5	<p>Specification 263214, Part 1, 1.2, A. &amp; 263213, Part 1, 1.2, A. identifies Section 260573 (Power System Studies). Please confirm the Power Systems Studies is not covered as part of our scope of supply; please confirm a 3<sup>rd</sup> party supplied / vendor will provide the requested studies as part of the "system wide" studies. Our bid package is to provide data on equipment in our scope to the 3<sup>rd</sup> party vendor / supplier who is performing &amp; conducting the studies.</p>	<p>All testing will be provided by the installing contractor.</p>
6	<p>Specification 263214, Part 1, 1.3, B. please confirm the requirement for insulation blankets is for the exhaust silencer only and not the exhaust flex, piping, etc.</p>	<p>Correct</p>
7	<p>Specification 263214, Part 1, 1.14, B. requires Extended Service Coverage for a period of 5 or 10 years whereas 1.13, A. requires 5 years of coverage. Please confirm the bid is to include 5 years of warranty coverage.</p>	<p>A comprehensive base guarantee of <i>Five (5) years</i> from project substantial completion (anticipated to be April 2018) is included for the scope of supply under this order, as well as an anticipated additional six (6) months of beneficial use. The requisite specifications shall govern after this minimum requirement is met. All warrantees shall include all manufacturer parts / equipment / components and OEM factory technician supervisory labor.</p>
8	<p>Specification 263214, Part 2, 2.9 &amp; Part 3, 3.6, B., 2. Please confirm the providing a full tank of diesel fuel for the completion of all testing is by the site trade installation contractor and is not to be covered as part of our scope of supply. Specification 263214, Part 3, 3.5 requires fuel oil to be covered in the Electrical Contractor scope of supply.</p>	<p>Correct, providing diesel fuel for the completion of testing is not included in this Scope</p>

9	Specification 263214, Part 2, 2.13 requires 1" deflection spring isolators. Specification 260548 requires 3" deflection spring isolators. Please confirm if 3" deflection or 1" deflection spring isolators are required.	1" deflection is required. 3" reference is to be corrected to 1".
10	Specification 263214, Part 3, 3.6, B. requires this scope to include load banks for OnSite Testing. Reference is only made to load bank testing one (1) generator set. Will the gensets be tested in parallel @ 100% load with portable load banks? Is field load bank testing required at resistive (1.0) or reactive (0.8) power factor.	Yes load banks will be required for full load capacity tested (3 generators) at .8 PF on site.
11	Specification 263214, Part 3, 3.9 Please confirm housekeeping pads are not part of our scope of supply.	Housekeeping pads are not part of this contractor.
12	Please confirm specification 260913 (Electrical Power Monitoring System – EPMS) is a separate bid package and is not to be covered or included in our scope of supply. Please confirm this bid package is to include required components to interface with the EPMS.	Power Monitoring is to be included as part of pre-purchase bid price as an add cost. See updated Rider C
13	Please confirm specification 261316 (Outdoor Switches for Portable Load Banks) are not to be covered or included as part of our scope of supply.	Provide as part of your bid as an add cost see updated Rider C
14	Specification 263213, Part 1, 1.3, F. requires a base mounted double lined fuel day tank, whereas specification 263214 has "others" providing & installing the fuel storage systems. Please confirm if "others" will also supply & install the fuel storage system for the Life Safety generator.	Confirmed.
15	Specification 263213, Part 2, 2.5 Please confirm A. (engine mounted vertical core radiator) and not B. (remote fan radiator) is to be followed; item B. should be removed as a specified requirement.	Engine mounted vertical radiator is to be provided with a fuel cooler. Updated specifications will remove item B
16	Specification 263213, Part 2, 2.6, D. calls out for a pancake type silencer. Drawing A312 shows a cylindrical silencer and drawing M700 identifies a manufacturer (HARCO) part # that is for a cylindrical exhaust silencer. Please confirm a cylindrical exhaust silencer is acceptable & the reference to a pancake silencer should not be followed.	Correct, a super critical grade cylindrical silencer is to be provided.

17	Specification 263213, Part 2, 2.7 Is the 300gallon fuel tank required as a day tank (freestanding) or a fuel tank base? As with the standby generators (263214), the fuel storage systems (daytanks & main tanks) are not part of our scope of supply.	Fuel Tanks are to be provided by others.
18	Specification 263213, part 3, 3.4 Please confirm jobsite / field fuel oil is not covered or included as part of our scope of supply. Specification 263213 part 3, 3.5, B., 3. Only states Contractor to provide fuel; reference is not made to the installing contractor.	Jobsite/field fuel oil not part of this contract.
19	Specification 263213, part 3, 3.5, B, 1. Requires load banks to reach fill nameplate rating are required; please confirm if a reactive (0.8) power factor load bank is required.	Permanent load banks are to be provided as an add/deduct cost. Also provide separate cost for @8 PF. See updated Rider C
20	Specification 263213, part 3, 3.7 Please confirm housekeeping pads are not covered or included as part of our scope of supply or bid package.	Confirmed not part of scope
21	Are redundant starters & starting system required for the Life Safety Generator (263213)? Redundant Starting System is specified for the Standby Generators (263214).	Yes provide add/deduct cost for redundant starters & starting system. See updated Rider C
22	Specification 263213, Part 2, 2.8, B please confirm a single bearing alternator is acceptable in lieu of a dual bearing alternator.	Base cost should be for single bearing. Please provide add/deduct cost for dual bearings. See updated Rider C
23	Insurance Addendum: We cannot make any non-Cummins entity a Loss Payee. I don't know if this applies, anyways, but it says "where an Off Project Site Property exposure exists." a. What is an Off Project Site Property? b. Is there an Off Project Site Property applicable here? c. Also, an endorsement for 30 days' notice to additional insureds is no longer commercially available by our insurer. However, CPS can covenant to provide direct notice in lieu of the insurer. Will this be acceptable?	a. Off Project Site Property is any storage yard or warehouse. B. Contractor would need to provide their own Off Project Site Property if necessary. C. This is acceptable.
24	<b>Liquidated Damages:</b> The Trade Contract with the Construction Manager, Tishman, states that liquidated damages may apply. If so, what is the amount set for liquidated damages for delay?	There are no liquidated damages for delays. Contractor is responsible for liquidated damages if M/WBE goals are not met and waiver not granted.
25	<b>Cap on Liability:</b> CPS makes exception to indirect damages/liability imposed for default. Can terms on damages be negotiated post award?	No

26	<p>263213, page 14, 3.5, B. Load Banks are required for onsite testing. a. Is the site permanent load bank to be utilized for all site load testing or are portable / temporary load banks required? b. What length of cables are required? c. Are resistive (1.0) or reactive (0.8) power factor load banks required?</p>	<p>a. On site permanent load banks have been deleted from this project. Testing is to be done with vendor supplied load banks and connected to 2 custom NEMA 3R disconnect switches. Testing shall be at full load @ .8 PF. b. Cables lengths are to be coordinated with awarded electrical contractor. c. Load banks are required @0.8 PF.</p>
27	<p>Specification [?] 263213, page 15, 3.6, B. If Operation &amp; Maintenance Training is to be videotaped, please confirm there is a site wide contractor that will be doing the videotaping and it's not to be covered or included in our scope of supply. Please be advised that a waiver needs to be signed if O&amp;M Training will be videotaped.</p>	<p>There is no site wide contractor. Contractor would need to provide video taping. With respect to waiver please submit sample of waiver with your proposal.</p>
28	<p>Specification 263214, page 17, 3.6, A., 2., e., 2) Since site conditions are not duplicated during factory testing, please confirm factory confirmed mechanical &amp; exhaust noise test data is acceptable.</p>	<p>This is acceptable but test results and data are to be supplied at the time of the bid to meet the specifications and any NYC code requirements.</p>
29	<p>Specifically 263214, page 17, 3.6, B. Load Banks are required for onsite testing. a. Is the site permanent load bank to be utilized for all site load testing or are portable / temporary load banks required? b. What length of cables are required? c. Are resistive (1.0) or reactive (0.8) power factor load banks required? d. Are portable load banks for 100% capacity of one (1) generator (i.e. 3500kw) required or for all three (3) generators in parallel (i.e. 10,500kw)?</p>	<p>a. On site permanent load banks have been deleted from this project. Testing is to be done with vendor supplied load banks and connected to 2 custom NEMA 3R disconnect switches. Testing shall be at full load @ .8 PF. b. Cables lengths are to be coordinated with awarded electrical contractor. c. Load banks are required @ 0.8 PF. d. Load banks are required for full load testing. Updated Rider A</p>
30	<p>263214, page 18, 3.6, E., 1. Please confirm all field testing is by manufacturer certified technicians; any 3rd Party / NETA Testing Agencies scope of work not part of our scope of supply.</p>	<p>Testing to be done by/with manufacturer certified technician.</p>

31	263214, page 18, 3.6, F., 4. Specification requires contract prices for maintenance during years 2 & 3. Is this to be included as part of the base bid or will the Bid Proposal Form be updated to include these as separate line items?	Rider C reference section for suggested parts
32	263214, page 8, 2.6 what specifications are to be used for the required circuit breakers; per 263214, page 15, B., 9. (match paralleling switchgear breaker except not drawout)	The specification reads "A. Use free-standing vacuum breaker to match paralleling switchgear"
33	263628 I am not able to locate an Electrical Drawing showing the permanent 13.2kv load bank. Please provide an electrical drawing showing how this load bank is being wired & connected into the Electrical System. Is the project requirement for a quantity of one (1) 4000kw 13.2kv load bank?	Permanent load bank has been deleted and replaced with 2 custom NEMA 3R disconnect switches. These switches are sized for the max load. See Updated Rider A
34	Will any requested alternate prices be included in evaluation (i.e. added to base bid pricing) in determining the low responsive & responsible bid?	Equipment vendor is to provide bid based on contract drawings and specifications. Any alternate may or may not be reviewed. It suggested to submit them in the event that the owner sees value in pursuing.
35	Specification 263213, page 6, 2.6, C. please confirm which sound level should be met; 80dba average @ 5 feet or 60dba average @ 5 feet - both sound levels are stated in the 2nd sentence. As a point of reference, Specification 263214, page 13, 2.10, A. requires 85dba @ 5 feet.	60 dba at 5 feet is required unless the latest NYC building code requires more stringent requirements at the time of bid acceptance. Note that there are specific octave requirement for all octave levels by NYCDOB.

**ADDITIONAL QUESTIONS AND ANSWERS**  
**RELEASE DATE: 10/25/16**

1.	<p>The original question #5 posted on 10/19/16 was, <b><i>“Specification 263214, Part 1, 1.2, A. &amp; 263213, Part 1, 1.2, A. identifies Section 260573 (Power System Studies). Please confirm the Power Systems Studies is not covered as part of our scope of supply; please confirm a 3rd party supplied / vendor will provide the requested studies as part of the “system wide” studies. Our bid package is to provide data on equipment in our scope to the 3rd party vendor / supplier who is performing &amp; conducting the studies.”</i></b></p> <p>The response posted on 10/19 was: <b><i>“All testing will be provided by the installing contractor.”</i></b></p> <p>Please confirm specification 260573 (Power System Studies) and the reports &amp; work associated with Power System Studies is not part of our scope of supply.</p>	<p>Correct, these are not part of the scope of supply; however, any data required by the testing agency must be provided by the bidder.</p>
2.	<p>Regarding Question #7 posted on 10/19:</p> <p>Please clarify what the response of, <b><i>“The requisite specifications shall govern after this minimum requirement is met”</i></b> means.</p> <p>Please confirm that the ten (10) year warranty requirement is not applicable. Since the response did not address rental generator coverage as part of the warranty, please confirm rental generator coverage is not required as part of the warranty program</p>	<p>Please disregard the sentence “The requisite specifications shall govern after this minimum requirement is met.”</p> <p>The base contract is five years. A new Rider C will be posted on 10/25/16 asking for an alternate price for a 10 year warranty and platinum extended service coverage. Only the platinum coverage requires rental generator coverage.</p>
3	<p>Regarding Question #19 posted on 10/19:</p> <p>The response states, <b><i>“Permanent load banks to be provided as an add / deduct cost. Also provide separate cost for @8PF. See updated rider C”</i></b> Rider C does not include a separate line item for the Life Safety Generator Radiator mounted load bank to be rated at 0.8 power factor. If still required, please provide an updated Rider C. If the Standby Generator plant is to include an alternate price for a 0.8 power factor load bank, please provide an updated Rider C</p>	<p>And add/deduct for the permanent load banks is no longer required. Please see updated Rider C posted on 10/25/16.</p>

4	<p>Regarding Question #21 posted on 10/19:</p> <p>The response states, <b>“Yes provide add/deduct cost for redundant starters &amp; starting system. See updated Rider C “</b>. Please confirm the base bid is to include a single starting system for each genset and Rider C Alternate N. 7 (which is crossed out in red) is to include pricing for the Life Safety &amp; Standby Generators to include redundant starting systems. If the Life Safety &amp; Standby Generators dual starting systems are to be separate, please include 2 separate alternates in a revised Rider C.</p>	<p>Correct. The base bid includes a single starting system for each generator set. See new Rider C posted on 10/25/16 for alternate pricing.</p>
5	<p>Regarding Question #23 posted on 10/19:</p> <p>Please confirm any &amp; all offsite storage is not part of our scope of supply or this rfp.</p>	<p>This is not part of the base contract. See Rider C for alternate pricing for additional storage.</p>
6	<p>Regarding Question #31 posted on 10/19:</p> <p>Revised Rider C does not address the response of, <b>“Rider C reference section for suggested parts”</b>. This response does not appear to address the question of, <b>“263214, page 18, 3.6, F., 4. Specification requires contract prices for maintenance during years 2 &amp; 3. Is this to be included as part of the base bid or will the Bid Proposal Form be updated to include these as separate line items?”</b> Please revisit the question and provide an updated Rider C as required.</p>	<p>Yes, maintenance during years 2 and 3 should be included in the base price.</p>
7	<p>Regarding Question #35 posted on 10/19:</p> <p>Parts of the response states, <b>“Note that there are specific octave requirement for all octave levels by NYCDOB.”</b> Please forward / identify the specific octave band levels so we may include the correct equipment.</p>	<p>60 dba at 5 feet is required unless the latest NYC building code requires more stringent requirements at the time of bid acceptance. Note that there are specific octave requirement for all octave levels by NYCDOB. Reference spec section 263213, page 2, 1.4, Item B.20 for requirements and NYCDOB Code. Please use whichever is more stringent.</p>
8	<p>Throughout the documents, where reference is made to the Contractor(s), please confirm this is the site trade installation contractors and not the supplier of equipment in the RFP.</p>	<p>This is correct except for Section 1.5 which refers to the Contractor with respect to storage of material. This should be the vendor for any storage of equipment under the contract terms.</p>

**ADDITIONAL QUESTIONS AND ANSWERS**  
**RELEASE DATE: 11/4/16**

#	Question	Response
1	<p>please refer to specification 262313, page 5, 2.1, A., 1.</p> <p>A 40kA system is specified, but at this rating it comes at 750MVA. If the specified 1000MVA system is required, it would be rated 50kA. Please confirm if a 40kA / 750MVA or a 50kA / 1000MVA system is required.</p>	Provide 40 KA /750 MVA in base bid pricing.
2	Please confirm specification 261313 (13.2kv Service Switchgear) is not part of this RFP.	That is incorrect. 261313 is part of the RFP. Provide in base bid pricing specification 261313 (13.2kv Service Switchgear)
3	As only one Standard product for one manufacturer at 3500kW is offered currently, has any consideration been given to sole source bids?	No. Sole source is not being considered, we are following the RFP process. Provide base bid pricing for equipment with minimum of 3500kW.
4	Can you clarify what the process will be to offer fair consideration with products that are not a standard offering at 3500kW?	Provide base bid pricing for equipment with minimum of 3500kW, higher capacity equipment will be considered base on selection criteria listed in RFP.
5	Can alternate gen sizes for be available to bid for a more competitive bid?	Provide base bid pricing for equipment with minimum of 3500kW, higher capacity equipment will be considered base on selection criteria listed in RFP.
6	Addendum #8 (Rider A, dated October 24th, 2016, page 4 of 9, C.) identifies a 1500kw Life Safety Generator. Specification 263213 & drawings (E501, E503, E504, etc.) requires a 2000kw generator set. Please confirm which kw rating is required for the Life Safety generator.	Provide in base bid pricing using 2000kw Life Safety Generator.
7	<p>Addendum #8 (Rider A, dated October 24th, 2016, page 4 of 9, 1., f.) identifies six (6) 480 vac transfer switches. Drawing E503 identifies the following Transfer Switches:</p> <ol style="list-style-type: none"> <li>1. 3000Amp Bypass Isolation, 4 pole ATS-LS (for use with Life Safety Generator)</li> <li>2. 60Amp Bypass Isolation, 3 pole ATS-1</li> <li>3. 60Amp Bypass Isolation, 3 pole ATS-2</li> <li>4. 100Amp, 3 pole ATS-AC-A</li> <li>5. 100Amp, 3 pole ATS-AC-B</li> </ol> <p>Is Rider A is correct with identifying six (6) transfer switches in our scope, please confirm</p>	Rider A is correct, there are six (6) transfer switches required. Refer to drawing E-700 dated August 12, 2016 in Appendix F. Also refer to E-504 Addendum 1 dated September 16, 2016 and E-701 dated September 16, 2016 in Appendix k, uploaded November 4,2016.

	the requirements for the sixth transfer switch. If only five (5) transfer switches are required, please update Rider A.	
8	Drawing E-503 & E700 schematically show ATS-AC-A or ATS-AC-B as non-bypass transfer switches. Please confirm these switches are not required as Bypass Isolation (like the other transfer switches).	Correct. Provide in base bid pricing with ATS-AC-A and ATS-AC-B without Bypass Isolation.
9	Drawing E-503 (dated 8/12/2016) identifies a 3000Amp Bypass Isolation Transfer Switch for use with the Life Safety Generator – this switch is feeding New LS Swbd. Drawing E-504 (dated 8/12/2016) shows this switch as a 1200 Amp unit. Please confirm if ATS-LS is required as a 1200Amp unit or a 3000Amp unit.	Provide 1200 Amp ATS, 1200 amp LS switchboard and a 3000 amp emergency switchboard as indicated on E-504 Addendum 1 dated September 16, 2016 contained in Appendix k, uploaded November 4, 2016.
10	E-504 & E-700 (dated 8/12/016) show ATS-DC-A & ATS-DC-B as 100Amp DC Transfer Switches for use with the battery system. Please confirm these transfer switches are not to be included as part of our scope of supply.	No, ATS-DC-A & ATS-DC-B are part of the RFP's scope. Provide in base bid pricing with ATS-DC-A & ATS-DC-B as 100Amp DC Transfer Switches for use with the battery system.
11	E-700 (dated 8/12/2016) please confirm the (2) 125vdc station battery plants, and accessories (i.e. battery chargers, etc.), are not to be covered or included in our scope of supply.	No, (2) 125vdc station battery plants are part of the RFP's scope. Provide in base bid pricing (2) 125vdc station battery plants in its entirety including all accessories.
12	E-503 & E-504 show different one lines for the local generator switchboard; E-504 includes a fused cut out to feed ATS-1. Is this local generator switchboard to be included as part of our scope of supply? If yes, which one line is correct?	Refer to E-504 Addendum 1 dated September 16, 2016 which is what is to be followed in Appendix k, uploaded November 4, 2016
13	10/25/2016 RFI question 7. NYC / DOB code requirements are based on designated zoning regulations (i.e. residential, commercial, residential, etc.). Different Zones have different requirements for noise octave band & dBA requirements. Other site noise sources could have an impact on noise levels at the property line and/or inside the nearest residential window. Since we have not been provided with specifics of the jobsite or surrounding structures / facilities, please provide specific octave band and/or dBA levels for each exhaust silencing system and the specific needs (i.e. dBA an/or octave band) at a specific distance.	Noise level criteria for the generators has been established as 68 dBA at 5 feet from areaway openings. This criteria was based on measured daytime ambient noise levels and nearest occupy-able outdoor spaces in order to minimize impact to users.

14	<p>Parts of the response states, “60 dba at 5 feet is required unless the latest NYC building code requires more stringent requirements at the time of bid acceptance.” Contract drawing M700 (rev 7, dated 8/12/2016) includes a Muffler Schedule which identifies a single exhaust silencer for each generator set; this is also confirmed on various other contract drawings (A-310, A-312, etc.). The requirement for 60dBA @ 5 feet will require two (2) exhaust silencers in series for each generator set. Please confirm if (2) exhaust silencers in series is required. Additionally, depending on the zoning, NYC noise levels are typically based at property lines or ‘x’ feet inside the nearest residential window. Overall site noise needs to be evaluated in order to the maximum generator set outlet noise level.</p>	<p>As noted above, criteria has been established as 68 dBA at 5 feet from areaway openings. Silencers must be capable of complying with this requirement.</p>
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**ADDITIONAL QUESTIONS AND ANSWERS  
RELEASE DATE: 11/7/16**

1	<p>I believe the response [to question 2 in the 11/4/2016 update] is not correct. The RFP is for 13.2kV Automatic Paralleling Synchronizing Switchgear (Specification 262313); a separate RFP package covers &amp; includes 261313 (13.2 kV Service Switchgear) – this is the incoming utility switchgear and we believe this material is not intended to be covered or included as part of the RFP labeled, “09/26/2016: Request for Proposals - For Provision for Pre-Purchase Equipment: Engine Generator Sets, Paralleling Gear, and Automatic Transfer Switches at Jacob K. Javits Convention Center”. Rider A (Addendum #8) refers to 261313 as an “Associated Specification” which is not intended to have the equipment from 261313 included as part of this RFP.</p> <p>Please confirm 261313 is not part of this RFP.</p>	<p>Confirmed. 261313 is not part of this RFP.</p>
2	<p>E-701 in Appendix K, uploaded November 4, 2016 does identify six (6) Transfer Switches. One of the six transfer switches states, “Fire Pump ATS Part of Fire Pump Controller.” Since this RFP package does not include the Fire Pump or Fire Pump Controller, please confirm this RFP only includes five (5) Transfer Switches (as shown on E-701 in Appendix K, uploaded November 4th, 2016).</p>	<p>Confirmed. Only 5 ATS switches for this bid. The Fire Pump ATS will be provided with Fire Pump by others.</p>

