



Department of Procurement Services

160 South Hollywood Street · Room 126 · Memphis, TN 38112 · (901) 416-5376

August 5, 2021

RE: Addendum #5: IFB#08122021LJS – **SCS Bid 3 – HVAC Renovations (19) Locations**

Dear Bidders:

This Addendum forms a part of the Contract Documents and modifies the Plans and Specifications posted on July 12, 2021. The Contractor shall acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Item #1 – PART II: GENERAL TERMS AND CONDITIONS, SECTION 5.0 BID TIMELINE – SUPPLEMENTARY CONDITIONS:

Page 4, Item reads “Bid Submission date is August 12, 2021 at 11:00 a.m. CST”

Page 4, Replace with **new** Bid Submission **time** **August 16, 2021 at 11:00 a.m. CST**”

Item #2 – PART IV: SCOPE OF WORK (Revision to Bid Lot 1A.1), Page 13 – SUPPLEMENTARY CONDITIONS

Delete in its entirety: “**Downtown ES-2162-HVAC**- Replace chilled water system, including, but not limited to pumps, piping, valves, actuators, as needed for quality installation, operation and long-term affect. Replace AHUs, RTUs and MAUs; salvage and reinstall bi-polar ionizers, commission pursuant IAQ Procedure for ventilation.”

Insert: “**Downtown ES-2162-HVAC**- Replace chilled water system, including, but not limited to pumps, piping modifications, valves, actuators, as needed for quality installation, operation and long-term affect. Replace AHUs, RTUs and MAUs; salvage and reinstall bi-polar ionizers, commission pursuant IAQ Procedure for ventilation.”

Item #3 – PART IV: SCOPE OF WORK (Revision to Bid Lot 1A.1), Page 13 – SUPPLEMENTARY CONDITIONS

Delete in its entirety: “**Egypt ES-2183-HVAC**- Replace entire mechanical system, except chiller, including, but not limited to pumps, piping, valves, actuators, as needed for quality installation, operation and long-term affect. Salvage and reinstall bi-polar ionizers, commission pursuant IAQ Procedure for ventilation.”

Insert: “**Egypt ES-2183-HVAC**- Replace chilled water system, including, but not limited to pumps, piping modifications, valves, actuators, as needed for quality installation, operation and long-term affect. Replace AHUs, RTUs and MAUs. Salvage and reinstall bi-polar ionizers, commission pursuant IAQ Procedure for ventilation.”

Item #4 – APPENDIX – J1 BID PROPOSAL FORM (Revision to Bid Lot 1A.1 Alternate).

Please utilize the revised Appendix – J1 dated 08/05/2021 for **Egypt ES** - Bid Lot 1A.1.

Note: Alternate #3 has been added.

Item #5 – PART IV: SCOPE OF WORK (Revision to Bid Lot 1A.2), Page 14 – SUPPLEMENTARY CONDITIONS

Delete in its entirety: “**Gordon ES-2265-HVAC**- Replace mechanical system, MAIN and ANNEX, including, but not limited to boilers, chillers, pumps, piping, valves, actuators, as needed for quality installation, operation and long-term affect. Exclude new split systems recently replaced. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.”

Insert: “**Gordon ES-2265-HVAC**- Replace mechanical system, MAIN and ANNEX, including, but not limited to boilers, chillers, pumps, all hydronic piping, other piping modifications, valves, actuators, as needed for quality installation, operation and long-term affect. Exclude new split systems recently replaced. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.”

Item #6 – PART IV: SCOPE OF WORK (Revision to Bid Lot 1A.2), Page 14 – SUPPLEMENTARY CONDITIONS

Delete in its entirety: “**Grandview MS-2835-HVAC**- Replace existing mechanical systems, EXCEPT gym, including, but not limited to pumps, piping, valves, actuators, as needed for quality installation, operation and long-term affect. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.”

Insert: “**Grandview MS-2835-HVAC**- Replace existing mechanical systems, EXCEPT gym, including, but not limited to pumps, hydronic branch lines, other piping modifications, valves, actuators, as needed for quality installation, operation and long-term affect. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.”

Item #7 – PART IV: SCOPE OF WORK (Revision to Bid Lot 1A.3), Page 14 – SUPPLEMENTARY CONDITIONS

Delete in its entirety: “**Peabody ES-2570-HVAC**- Replace ENTIRE mechanical system, including, but not limited to pumps, piping, valves, actuators, as needed for quality installation, operation and long-term affect. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.”

Insert: “**Peabody ES-2570-HVAC**- Replace ENTIRE mechanical system, including, but not limited to all terminal equipment, exhaust fans, chillers, boilers, pumps, all hydronic piping, above ground condensate piping, valves, actuators, as needed for quality installation, operation and long-term affect. Convert steam to HW. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.”

Item #8 – APPENDIX – J1 BID PROPOSAL FORM (Revision to Bid Lot 1A.5 Alternate).

Please utilize the revised Appendix – J1 dated 08/05/2021 for **Springdale ES** - Bid Lot 1A.5.

Note: Alternate #3 has been added.

Item #9**Questions & Responses**—Please see chart below for questions from vendor and responses.

1	Martin & White	Nick Martin	07/20/21	Bruce ES	Bruce ES- There is a temp. chiller on site. Will a new chiller and all work associated with a new chiller be excluded from this contract.	The emergency repair is to replace the chiller only. Please include the remainder of the chilled water system in your scope, including but not limited to pumps, piping modifications, valves, actuators, as needed for quality installation, operation, and long-term effect.
2	Martin & White	Nick Martin	07/20/21	Bruce ES	Bruce ES- Which pumps get replaced. P-3 and P-4 are boiler pumps. P-1, P-2, and P-5 are chilled water and dual water pumps.	All pumps related to the chilled water system, including the building pumps will be replaced. The HW pumps will be excluded because the HW system was not included in the Scope of Work.
3	Martin & White	Nick Martin	07/20/21	Bruce ES	Control valves V-1 and V-2 to be replaced?	If V-1 and V-2 are a part of the chilled water system (including the building loop), then YES, they will be replaced. If not, then NO.
4	Martin & White	Nick Martin	07/20/21	Bruce ES	Expansion tank to be replaced?	YES
5	Martin & White	Nick Martin	07/20/21	Bruce ES	Air separator to be replaced?	YES
6	Martin & White	Nick Martin	07/20/21	Bruce ES	Any FCU's or VAV's to be replaced?	Replace only the specified units
7	Martin & White	Nick Martin	07/20/21	Bruce ES	Make Up Air unit for the kitchen to be replaced?	Only if it is one of the specified units
28	M&T	Steve Thornburg	07/27/21	Bruce ES	Bruce ES-Please clarify that the scope of Piping Replacement work is limited to Chilled Water System Piping replacement only.	Piping mods for new equipment only.
13	Martin & White	Nick Martin	07/22/21	Central HS	Central HS-Will temporary cooling and heating be required if the work is done during the summer or does Central High School operate year-round?	Temporary cooling (Portacool) may be required for the office only, during replacement of its equipment. No temporary chiller will be required.
14	Martin & White	Nick Martin	07/22/21	Central HS	Central HS-The scope states to change Aaon units and mau's, are the mau's described for the kitchen?	Yes. All MAUs, including the kitchen.
20	Martin & White	Nick Martin	07/26/21	Central HS	On Central High School do we replace any chillers other than the carrier	No.

					chiller?	
21	Martin & White	Nick Martin	07/26/21	Central HS	On Central High School do we change the refrigerant monitor and associated fans, are they included in the chilled water system?	Only if required by AHJ.
22	Martin & White	Nick Martin	07/26/21	Central HS	On Central High School are we to change the cooling tower and condensing water pumps?	Yes.
29	M&T	Steve Thornburg	07/27/21	Central HS	Central HS-Please clarify the limits of the chilled water piping replacement for work beyond the chiller and pumps.	Piping mods for new equipment only.
30	M&T	Steve Thornburg	07/27/21	Central HS	Central HS-Please clarify to exactly what equipment is to be replaced.	Replace chilled water system (exclude McQuay chiller), including, but not limited to pumps, piping modifications, valves, actuators, as needed for quality installation, operation, and long-term affect. Replace RTUs, split systems, mini-splits, MAUs and AAONs; salvage and reinstall bi-polar ionizers, commission pursuant IAQ Procedure for ventilation.
15	Martin & White	Nick Martin	07/22/21	Downtown ES	Downtown ES-The chiller is not mentioned but looks aged are we not changing it?	Yes. The chiller is the central part of the chilled water system.
31	M&T	Steve Thornburg	07/27/21	Downtown ES	Downtown ES-The chiller is not mentioned but looks aged are we not changing it?	YES.
27	Martin & White	Nick Martin	07/27/21	Egypt ES	On Egypt Elementary School are we to change the units on the mobile classrooms as part of the “entire mechanical system”?	No.
35	M&T	Steve Thornburg	07/27/21	Egypt ES	Egypt ES-i. Does this include the natural gas piping? ii. Condensate piping? iii. Ductwork and Air Distribution? iv. Kitchen Hoods? v. Exhaust Fans?	Natural gas piping? Piping mods, as needed. Condensate piping? Piping mods, as needed. Check elevation. Ductwork and Air Distribution? Mods, as needed. Kitchen Hoods? NO. Exhaust Fans? YES.
		General	07/29/21	Egypt ES	When were the windows replaced at	Windows-The windows at this site were recently replace by A&H Glass; 2005

					Egypt ES? And who installed them.	Thomas Street 38134; 901-382-6133; Jimmy Nick.
9	Martin & White	Nick Martin	07/22/21	Farmville Bus Lot	Farmville Bus Lot- The scope does not define weather or not the existing refrigerant lines can be reused or must be replaced with new. Which is it?	Replace the entire system.
10	Martin & White	Nick Martin	07/22/21	Farmville Bus Lot	Farmville Bus Lot- Can we reuse the existing condenser pads?	Yes, if they are appropriate for the new condensers.
32	M&T	Steve Thornburg	07/27/21	Farmville Bus Lot	Farmville Bus Lot- Is the scope to replace ALL split systems found at this address?	Replace all split systems in the 2 buildings at the Farmville Bus Lot, located on the north side of Andrews Street.
8	Martin & White	Nick Martin	07/22/21	General	Since this project is funded with federal money, will the contract be Davis Bacon wages? If so, will you supply the wage rates we are to go by?	See IFB 08122021 26.0 and DB1 and DB2. Current federal wage rates can be obtained through the TN.gov.
16	Etairos HVAC	David George	07/22/21	General	Etairos HVAC would like the following Manufacturers added to the list of pre-approved manufacturers shown on page 46 for the above referenced project. Pumps-Taco; Boilers-Fulton; RTUs-Aaon; FCUs-Johnson Controls; Split Systems-LG.	Manufacturers listed in the SCS Preferred HVAC Manufacturers Per Equipment Type in Division 23 00 00 are preferred not approved. The equipment of these manufacturers must meet and/or exceed the design & performance criteria of the design principles & construction guidelines. If the equipment of the requested manufacturers meet and/ or exceed the performance criteria of the design principles & construction guidelines, they are allowed to be used in the response to the bid solicitation. It should be noted that all HVAC equipment will be subjected to strict performance reviews during the submittal process after award.
17	Martin & White	Nick Martin	07/22/21	General	Extend Bid Due Date by seven (7) calendar days.	The request is noted. Deadlines are to remain as scheduled.
18	Martin & White	Nick Martin	07/23/21	General	When the scope of work states to replace mechanical system does that include all fans, exhaust fans, roof mounted fans, kitchen hoods, make up air units for the kitchen hoods, electric heaters, unit	Fans? need more information Exhaust fans? YES Roof mounted fans? YES Kitchen hoods? Only if called out Kitchen makeup air units? YES Electric heaters? YES Unit heaters in mechanical rooms? YES Cabinet heaters-YES

					heaters in mechanical rooms, cabinet heaters and such?	
19	Martin & White	Nick Martin	07/23/21	General	Could you provide a list of equipment you want changed? Could we also get a printed copy of the equipment in each school that the EMS is controlling/ monitoring?	No. / Not available.
23	Martin & White	Nick Martin	07/26/21	General	On any pumps we change are we to install new VFD's?	Yes.
24	Martin & White	Nick Martin	07/27/21	General	Will there be any work under this contract required for the generator?	No.
25	Martin & White	Nick Martin	07/27/21	General	If we are to change the kitchen hood, are we to also change the grease duct?	Yes.
26	Martin & White	Nick Martin	07/27/21	General	Can we reuse the existing unit curbs with adapter curbs, or do we have to remove the existing curbs and install new curbs for the new RTU's?	Yes. However, if existing curbs are damaged and/ or in a state of deterioration that warrants replacement, then the curbs should be replaced. The District recommends that the contractor confirm with their licensed engineering consultant if seismic curbs will be required by code or the local AHJ for installation with the new equipment.
38	M&T	Steve Thornburg	07/27/21	General	Please clarify whether a contractor can "PULL" his bid for a specific "BID LOT" prior to the opening of the specific Bid Lot.	All bids will be evaluated on the best value to the District. It is recommended that Contractors refrain from assumptions until the awards are offered.
39	M&T	Steve Thornburg	07/27/21	General	Will all projects within a Bid Lot be awarded collectively? E.g. Will SCS be able to pick/choose which schools in a bid lot to accept?	YES. / Always, but the intent is to award the lots as one.
40	M&T	Steve Thornburg	07/27/21	General	Can the bid date be extended by Seven Days?	No.
56	M&T	Steve Thornburg	07/28/21	General	The Bid Identification Submittal Form (for each school) lists a requirement to provide SUBCONTRACTORS TO BE USED ON THIS PROJECT. This project is a	Subcontractors need to be provided. If the subcontractor changes between the bid due and the execution of the engineered drawings, notify SCS in writing of these changes for approval.

					Design/Build and there are NO anticipated subcontractors to be included during this phase. The listing of subcontractors will be available upon completion of a Engineered Design Drawings and determination of the work requirements. Can we leave these items “blank” for all unknown subcontracted work or should we only list ourselves at this stage? Please clarify.	
57	M&T	Steve Thornburg	07/28/21	General	If a contractor is bidding multiple “LOTS”, can we combine all Bid Lots into a single envelope?	Yes.
58	Gipson Mechanical	Phil Hall	07/28/21	General	When does the warranty begin at each school; as we complete each school or all schools on June 30, 2024?	Upon Substantial Completion.
59	Gipson Mechanical	Phil Hall	07/28/21	General	Will we get paid for stored equipment and material?	Yes, once properly documented. Equipment must be stored locally, secured, insured and labeled per project.
61	Gipson Mechanical	Phil Hall	07/28/21	General	Are ALL air handling units to have hot water and chilled water coils with non-freeze block coils and BAS feedback for freeze protection.	Coil configuration should be as existing. / Yes. All water coils with non-freeze block coils and BAS feedback for freeze protection.
86	CS3	Shannon Mahoney	07/29/21	General	Bid Form Appendix J & J1 Are we to total the two alternates listed on Appendix J1 together and put that total in Appendix J bid form?	Yes.
87	CS3	Shannon Mahoney	07/29/21	General	Bid Form Appendix J & J1 Will there be a place to put the base bid price on Appendix J1?	You are entering all pricing on Appendix J bid excel Spreadsheet. On Appendix J1 you'll enter your separate alternate cost for each alternate, but enter the total/combined alternate costs on Appendix J bid excel spreadsheet.
88	CS3	Shannon	07/29/21	General	Project Bid Date	No.

		Mahoney				
89	Martin & White	Nick Martin	07/29/21	General	When will the asbestos reports be released?	ASAP - Where asbestos is encountered, abate only the minimum required to accommodate the WORK. Abandon all else in place with correct treatment.
90	M&T	Steve Thornburg	07/29/21	General	Fire Alarm Upgrades: The scope of work does reference any Fire Alarm/System Upgrades. Please identify if this is to be included and what upgrades are to be included in our scope.	If the addition/modification of AHJ required FAS devices in the mechanical system also require the modification/addition/upgrade/replacement of the Fire Alarm System to accommodate those devices, then it shall be performed as a part of this scope.
91	M&T	Steve Thornburg	07/29/21	General	State Fire Marshall Upgrades: The scope of work does not reference any requirements to modify the buildings to the Fire Marshall Review Comments. Please advise if this is to be included in our scope and what upgrades to be included.	The scope is work is to ensure all work is code compliant. If SFM requires upgrades in and to the design, these shall be included in the scope.
92	M&T	Steve Thornburg	07/29/21	General	3. School Calendar: Please provide an anticipated school calendar for 2021/2022/2023/2024	The school calendar is available on the District website, year by year.
93	M&T	Steve Thornburg	07/29/21	General	Please identify if any of the listed schools in this IBB will be utilized for Summer Session for 2022/2023/2024	The Department of Construction coordinates annually with Academic Operations. Every effort is made to avoid academic programming at sites with summer construction projects.
60	Gipson Mechanical	Phil Hall	07/28/21	General	Do we need to include Appendix J on all of the Lots or just the Lots we are bidding?	Appendix J bid excel spreadsheet is required for only Bid Lots the vendor is bidding on.
36	M&T	Steve Thornburg	07/27/21	Gordon ES	Gordon ES-Does this include the natural gas piping? ii. Condensate piping? iii. Ductwork and Air Distribution? iv. Kitchen Hoods? v. Exhaust Fans?	Natural gas piping? Piping mods, as needed. Condensate piping? Piping mods, as needed. Check elevation. Ductwork and Air Distribution? Mods, as needed. Kitchen Hoods? NO. Exhaust Fans? YES.
62	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-Please clarify how many years of service determinations a unit to be new? Example	Five years and less.

					is 2 years of service still considered new, what about 5 years of service is that still considered new?	
63	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-Does all piping get replaced for this school or only piping as needed to change equipment?	Replace all hydronic piping.
64	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-Are we to replace the existing two pipe system?	Replace all hydronic piping.
65	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-If the piping system is required to be replaced, are we only required to replace the two pipe system or will the new system need to be upgraded to a four pipe system?	Replace the Two Pipe system.
66	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-If the existing piping mains are not replaced, will the mechanical contractor be expected to make the repairs to the existing piping mains as part of the one year warranty?	N/A.
67	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-Is the contractor required to replace the kitchen MAU?	Yes.
68	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-Is the contractor required to replace all exhaust fans?	Yes.
69	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES-Is the contractor required to replace or clean the existing duct work in its entirety or as needed for equipment replacement?	No.
70	CS3	Shannon Mahoney	07/29/21	Gordon ES	Gordon ES- Is the contractor required to replace the equipment starters / VFDs?	Yes.
37	M&T	Steve Thornburg	07/27/21	Grandview MS	Grandview MS-Does this include the natural gas piping? ii. Condensate	Natural gas piping? Piping mods, as needed. Condensate piping? Piping mods, as needed. Check elevation.

					piping? iii. Ductwork and Air Distribution? iv. Kitchen Hoods? v. Exhaust Fans?	Ductwork and Air Distribution? Mods, as needed. Kitchen Hoods? NO. Exhaust Fans? YES.
71	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-Does all piping get replaced for this school or only piping as needed to change equipment?	Replace hydronic branch lines to terminal equipment.
72	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-If the piping system is required to be replaced, are we only required to replace the two pipe system or will the new system need to be upgraded to a four pipe system?	No.
73	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-If the existing piping mains are not replaced, will the mechanical contractor be expected to make the repairs to the existing piping mains as part of the one year warranty?	The Contractor will warranty the the work performed in the Contract and and Contingent Scopes of Work.
74	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-Is the contractor required to replace the kitchen MAU?	Yes.
75	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-Is the contractor required to replace all exhaust fans?	Yes.
76	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-Is the contractor required to replace or clean the existing duct work in its entirety or as needed for equipment replacement?	No.
77	CS3	Shannon Mahoney	07/29/21	Grandview MS	Grandview MS-Is the contractor required to replace the equipment starters / VFDs?	Yes.
44	M&T	Steve Thornburg	07/28/21	Hawkins Mill ES	Hawkins Mill ES - Please identify the location of Multi-Purpose Room and what the scope of work for "remaining annex".	Café and Multi-purpose are the same space. Replace all RTUs on the annex less than 5 years old.

78	CS3	Shannon Mahoney	07/29/21	Hawkins Mill ES	Hawkins Mill ES-Is the contractor required to replace the roof curbs for each unit or will curb adaptors be allowed?	No. However, if existing curbs are damaged and/ or in a state of deterioration that warrants replacement, then the curbs should be replaced. The District recommends that the contractor confirm with their licensed engineering consultant if seismic curbs will be required by code or the local AHJ for installation with the new equipment.
79	CS3	Shannon Mahoney	07/29/21	Hawkins Mill ES	Hawkins Mill ES-Is the contractor required to replace any of the classroom AHUs?	Replace RTUs on Cafe' and Multi-Purpose Room and those on the annex over 5 years old; salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.
80	CS3	Shannon Mahoney	07/29/21	Larose ES	LaRose ES-Is the contractor required to replace the roof curbs for each unit or will curb adaptors be allowed?	No. However, if existing curbs are damaged and/ or in a state of deterioration that warrants replacement, then the curbs should be replaced. The District recommends that the contractor confirm with their licensed engineering consultant if seismic curbs will be required by code or the local AHJ for installation with the new equipment.
81	CS3	Shannon Mahoney	07/29/21	Larose ES	LaRose ES-Is the contractor required to replace any of the classroom AHUs?	Replace the equipment called out in the Scope of Work.
45	M&T	Steve Thornburg	07/28/21	Lucie E Campbell ES	Lucie E Campbell ES-Please clarify if ALL chilled water piping is to be replaced or only replace piping as needed. Also, do we replace the existing underground chilled water piping? There is no indication of any equipment replacement except chilled water pumps, please confirm that this is the intent.	Replace chilled water system, including, but not limited to chiller, pumps, piping modifications, valves, actuators, as needed for quality installation, operation, and long-term affect. Replace AHUs (6); salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.
82	CS3	Shannon Mahoney	07/29/21	Lucie E Campbell ES	Lucie E. Campbell ES-Is the air-cooled chiller on site required to be changed out as well?	Replace chilled water system, including, but not limited to chiller, pumps, piping modifications, valves, actuators, as needed for quality installation, operation, and long-term affect. Replace AHUs (6); salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.
83	CS3	Shannon Mahoney	07/29/21	Lucie E Campbell ES	Lucie E. Campbell ES-Is the contractor required to replace any of the heating hot water equipment?	No.
84	CS3	Shannon	07/29/21	Lucie E	Lucie E. Campbell	No.

		Mahoney		Campbell ES	ES-Is the contractor required to replace any piping other than what is required for equipment change out?	
85	CS3	Shannon Mahoney	07/29/21	Lucie E Campbell ES	Lucie E. Campbell ES-Is the contractor required to replace the classroom FCUs?	No.
46	M&T	Steve Thornburg	07/28/21	North Area Office / Gragg	North Area Offices- does this scope include replacement of any additional equipment with the exception of chilled water/how water pumps? Also, per review of the documents provided, I find no Unit Ventilators indicated, please clarify as scope states to replace.	Replace HW and CHW Systems, including, but not limited to boiler(s), chiller(s), pumps, piping modifications, valves, actuators, as needed for quality installation, operation, and long-term affect. Replace terminal equipment. Salvage and reinstall bi-polar ionizers, commission pursuant to IAQ Procedure for ventilation.
47	M&T	Steve Thornburg	07/28/21	Northaven ES	Northaven ES-Does this scope include the Kitchen Hood Exhaust Fans and Makeup Air Unit?	Yes. / Yes.
48	M&T	Steve Thornburg	07/28/21	Peabody ES	Peabody ES-Please clarify if this includes all above grade and underground condensate piping, natural gas piping, ductwork, air distribution, controls, kitchen hoods, etc.?	Replace all hydronic piping, above ground condensate piping, gas piping modifications only as needed, ductwork modifications only as needed, replace all controls, replace kitchen MUAU, exclude kitchen hood.
41	Martin & White	Nick Martin	07/28/21	Snowden K8	With alternate 3 and 4 from addendum 3 on Snowden K-8 it appears we are only changing the piping needed to install the new equipment, is this correct?	The Base Bid SOW call for the replacement of all terminal equipment and all hydronic piping, including but not limited to main lines and branch lines.
42	Martin & White	Nick Martin	07/28/21	Snowden K8	Neither the base or the alternates on Snowden K-8 appear to list changing all the CHW and HW piping, is this correct?	The Base Bid SOW call for the replacement of all terminal equipment and all hydronic piping, including but not limited to main lines and branch lines.
43	Martin & White	Nick Martin	07/28/21	Snowden K8	Alternate 3 for Snowden K-8 says to change the boilers in the annex, alternate 4	Both. Alternate 3-Annex equipment located on 2nd Floor Boiler Room, north end of east building. Alternate 4-Main Building Equipment located lower floor

					shows to change the boilers in the main HW system. It appears all boilers are in the original building but in the annex drawings so which alternate do you want the boiler change outs in?	Boiler Room (exterior entrance) of west building.
49	M&T	Steve Thornburg	07/28/21	Snowden K8	Snowden-does this scope include the replacement of chillers, boilers, etc. or just the piping to these listed pieces of equipment? Also does the steam and/or condensate pipe replace?	See questions 41-43.
50	M&T	Steve Thornburg	07/28/21	Snowden K8	Snowden-Please identify what buildings are considered "Annex" buildings.	See questions 41-43.
51	M&T	Steve Thornburg	07/28/21	Snowden K8	Snowden-The base bid scope states (per Addendum) to replace all terminal equipment, but Unit Ventilators are NOT referenced. Do Unit Ventilators get replaced?	See questions 41-43.
52	M&T	Steve Thornburg	07/28/21	Springdale ES	Springdale ES-The scope of work identifies "Replace HW-CHW systems", this does not reference Dual Temperature Piping Systems, please advise if this system is to be replaced.	Provide Alternate 3-Replace all hydronic piping and terminal equipment.
53	M&T	Steve Thornburg	07/28/21	Springdale ES	Springdale ES-There are a number of Convection Heaters, do the Convection Heaters get replaced?	In Alternate 3.
54	M&T	Steve Thornburg	07/28/21	Vollentine ES	Vollentine ES-Please clarify if the steam boiler system serves anything beyond the Heating Hot Water for the building.	No. Also, replace steam equipment in and under office.
55	M&T	Steve	07/28/21	Westside	Westside ES-Please	Piping mods for new equipment only.

		Thornburg		ES	clarify the limits of the chilled water piping replacement.	
11	Martin & White	Nick Martin	07/22/21	Woodstock MS	Woodstock MS-We are changing ALL units on all 5-6 buildings including the gym, correct?	Yes.
12	Martin & White	Nick Martin	07/22/21	Woodstock MS	Woodstock MS-On the split systems do we need to change all line sets or just modify for new equipment?	Replace the entire system.
33	M&T	Steve Thornburg	07/27/21	Woodstock MS	Woodstock MS-Does this include MZU-1/2/3?	Yes, with manufacturer provided controller, capable of stand-alone operation and with BACnet card for DDC integration.
34	M&T	Steve Thornburg	07/27/21	Woodstock MS	Woodstock MS-This unit is NOT designated as a Roof Top Unit, does it replace?	Yes.

Thank you,

Procurement Services