

ARLINGTON COUNTY, VIRGINIA**AGREEMENT NO. 20-232-ITB
AMENDMENT NUMBER 6**

This Amendment Number 6 is made on the date of execution by the County and amends Agreement Number 20-232-ITB ("Main Agreement") dated August 5th, 2020 between ABM Facility Support Services LLC ("Contractor") and the County Board of Arlington County, Virginia ("County").

The County and the Contractor agree to amend the Main Agreement as follows:

ADD THE FOLLOWING LANGUAGE TO EXHIBIT A – PRICING SHEET; TABLE A – MAINTENANCE COSTS:

<u>Location</u>	<u>Semi-annual Cost</u>
2100 Clarendon Blvd G1 Garage- Glass Elevator- Fire Alarm Systems and Devices	\$2,201.00
2111 Wilson Blvd Colonial Elevator	\$2,201.00
Detention Center- 1435 N Courthouse Rd, Arlington Co.	\$2,040.00

ADD THE FOLLOWING LANGUAGE TO EXHIBIT B - SCOPE OF WORK; SCHEDULE A - EQUIPMENT LIST

15. 2100 Clarendon Blvd G1 Garage- Glass Elevator- Fire Alarm Systems and Devices

QTY	EQUIPMENT TYPE	MANUFACTURER	MODEL #	SERIAL #	REMARKS
1	Honeywell 6700 Fire Alarm Control Panel	Honeywell	6700		
3	Smoke Detectors				
1	Tamper Switch				
1	Elevator Recall				
1	Hi/Low Air Switch Pressure Switch				
1	Heat Detector				
1	Pressure Switch				Dry Sprinkler system elevator room and shaft
1	Hi/Low Air Switch				Elevator room and shaft
1	Tamper Switch				Elevator room and shaft

16. 2111 Wilson Blvd Colonial Elevator

QTY	EQUIPMENT TYPE	MANUFACTURER	MODEL #	SERIAL #	REMARKS
1	Honeywell Fire Alarm	Honeywell	6700		
1	Smoke Detector				
2	Stick Heat Detectors				

1	Elevator Recall				
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17. Detention Center- 1435 N Courthouse Rd, Arlington Co.

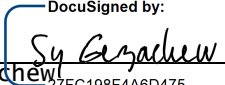
QTY	EQUIPMENT TYPE	MANUFACTURER	MODEL #	SERIAL #	REMARKS
1	UPS/Battery	Liebert	EXM-40kVA	M18CZB0022	24 Batteries

ADD THE ATTACHED PROPOSAL TO EXHIBIT B - SCOPE OF WORK; SCHEDULE B - EQUIPMENT PREVENTIVE MAINTENANCE, INSPECTION AND TESTING GUIDELINES UNINTERRUPTED POWER SYSTEMS

All other terms and conditions of the Main Agreement remain in effect.

WITNESS these signatures:

THE COUNTY BOARD OF ARLINGTON
COUNTY, VIRGINIA

AUTHORIZED
SIGNATURE: 
NAME: Sy Gezachew
TITLE: PROCUREMENT OFFICER
DATE: 10/19/2023

ABM FACILITY SUPPORT SERVICES LLC

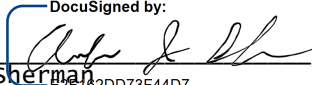
AUTHORIZED
SIGNATURE: 
NAME: Andrew Sherman
TITLE: Vice President
DATE: 10/17/2023

Exhibit A – Pricing Sheet**Table A - Maintenance Costs:**

	<u>Annual Price</u>
Emergency Call Center (ECC)- Courts/Police Facility	<u>\$ 54,162.00</u>
Bozman Center Network Operations Center (NOC) & Data Units AND Fire Alarm	<u>\$ 106,837.00</u>
Lee Pumping Station (OEM Radio Site)	<u>\$ 16,871.00</u>
BB&T Building OEM Radio Site	<u>\$ 7,501.00</u>
Court House Plaza II Radio System Master Site (OEM Radio Site)	<u>\$ 11,533.00</u>
Shirlington Tower (Penthouse Equipment Room OEM Radio Site)	<u>\$ 17,022.00</u>
Ballston Archstone Place Apartments (OEM Radio Site)	<u>\$ 16,972.00</u>
Ritz Carlton (Penthouse Equipment Room (OEM Radio Site)	<u>\$ 8,833.00</u>
Trade Center Network Operations Center (NOC)	<u>\$ 51,861.00</u>
Emergency Call Center (ECC) Court Square West	<u>\$ 5,030.00</u>
Lubber Run Community Center	\$1,620.00
Bozman Center Network Operations Center (NOC) & Data Units AND Fire Alarm	<u>\$139,992.00</u>
Trade Center Network Operations Center (NOC)	\$111,763.00
Emergency Call Center (ECC) Courts/Police Facility	\$65,553.00
Barcroft Park	<u>\$2,240.00</u>
2100 Clarendon Blvd G1 Garage- Glass Elevator- Fire Alarm Systems and Devices	<u>\$2,201.00</u>
2111 Wilson Blvd Colonial Elevator	<u>\$2,201.00</u>
Detention Center- 1435 N Courthouse Rd, Arlington Co	<u>\$2,040.00</u>

Table B - Labor Rates:

<u>Personnel Type</u>	<u>Hourly Rate</u>
Project Manager rate	<u>\$ 125.00</u>
HVAC Mechanic regular rate	<u>\$ 130.00</u>
HVAC Mechanic OT	<u>\$ 195.00</u>
HVAC Helper regular rate	<u>\$ 19.00</u>

HVAC Helper OT	<u>\$ 28.50</u>
Electrician regular rate	<u>\$ 125.00</u>
Electrician OT	<u>\$ 187.50</u>
Electrician Helper regular rate	<u>\$ 19.00</u>
Electrician Helper OT	<u>\$ 28.50</u>
Generator Technician regular rate	<u>\$ 169.00</u>
Generator Technician OT	<u>\$ 293.00</u>
Generator Technician Helper regular rate	<u>\$ 19.00</u>
Generator Technician Helper OT	<u>\$ 28.50</u>
UPS/PDU Technician regular rate	<u>\$ 198.00</u>
UPS/PDU Technician OT	<u>\$ 296.00</u>
Battery Technician regular rate	<u>\$ 150.00</u>
Battery Technician OT	<u>\$ 225.00</u>
Sprinkler Technician regular rate	<u>\$ 136.00</u>
Sprinkler Technician OT	<u>\$ 204.00</u>
Fire Alarm Technician regular rate	<u>\$ 150.00</u>
Fire Alarm Technician OT	<u>\$ 225.00</u>
Fire Protection Helper	<u>\$ 29.00</u>

SCHEDULE A - EQUIPMENT LIST

1. EMERGENCY CALL CENTER (ECC) - COURTS/POLICE FACILITY, 1425 North Courthouse Road

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Air Handling Unit	Trane	GEVB300441D2BBOTBB 011000200000000	W07F37349	7 TH floor ECC
1	Air Handling Unit	Trane	GEV1318041D2ABBOTB B011000200000000	W07F37350	7 TH floor ECC
1	Heat Pump	Liebert	MCD69W34H4 AHU: MMD60K-AHOLD	0719N147428 0719N147658	7 TH floor ECC, evaporator and condenser section
1	Heat Pump	Liebert	MCD98W3AH3 AHU: MMD96K-AHOLD	0719N147450 0719N147568	7 TH floor ECC, evaporator and condenser section
1	Heat Pump	Liebert	MMD60K-AHOLD	0719N147450	7 TH floor ECC TELEPHONE
1	Split System	Mitsubishi Evaporator Condensing Unit	MS-A12WA MU- 212WA	6003739 6001082	Serves 13 TH floor radio room, AC-1
1	Dry Cooler	Liebert	DOD880A	0722697721	8 fans, FC-1, 13 TH floor roof
2	Pump	Liebert	EVD184TTDR7322EVE	0407-3303002 0407-3303004	Package pump set, serves FC-1, 13 TH floor roof
1	Glycol make up station	N/A	Injector pump- 5KH32FN5586X	07D05183	Has a filter MN: BFS-15B-2 SN:87276 TANK=65 GAL. injector pump 1/3 HP 115VAC 1725RPM 5.6A
1	Fan	Greenheck	BCF-110-7-TH-X	07D05183	SF-1 with duct heater INDEECO MN 19NH3, located on 13 th floor mechanical room.
1	Air Handling Unit	Mitsubishi	PKA-A36KAU	12M00449	Comp room.
1	Ductless Split system	Mitsubishi	PUY-A36NHA4	01UO1433B	On roof atrium, access thru Rm 5314
1	Air Handling Unit	Liebert	MMD24E7X00D0	1020N198167	Behind Locker
1	Generator	Generac	8136070100		400kw, Roof

1	Automatic transfer switch	ASCO	HTACTBB30600N5XC	845146 WE	480 V – 600 A
2	Exhaust Fan	BDF-80			Located in the custodial office serving battery room
1	Batteries	C&D Technologies			Flooded Cell Design. Vented Lead Acid (VLA). 480 V (DC). 480 jars
2	AHU	TRANE	GAM5AOC6OM51SAA	(1) 123015F52V (2)12265S6K2X	Serving Battery room.
2	Condenser Units	TRANE	4TWB4060E1; 4TWR306B1000AB	12405UPY45; 12405UM84F	13 TH Floor serves the battery room
1	AHU	LG	LSN300HV2	302KATM00056	13 th Floor serves the UPS hallway
1	Minisplit CU	LG	LSU360HV2		13 th Floor serves the UPS hallway

2. BOZMAN CENTER NETWORK OPERATIONS CENTER (NOC), 2100 Clarendon Boulevard

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Generator- 500KW	GENERAC	1005920	2099871	G-4 level - Generator and ATS Room
1	Automatic Transfer Switch #1 –elect dist	ASCO	H07ATBA30800N5XC	1501454WE	G-4 level - Generator and ATS Room. 400 amps 480 vac
1	Automatic Transfer Switch #2 – mech dist	ASCO	E03ATSA30400N GSC	1148741 RE	G-4 level - Generator and ATS Room. 400 amps 480 vac
1	UPS 1 & Battery cabinet	LIEBERT EXM	51SN200LAA000CY	M18KDH003	Penthouse UPS room/output 200kw 480 VAC 241 MAX AMPS
1	UPS 2 & Battery cabinet	LIEBERT EXM	51SN200LAA000CY	M18KDH0004	Penthouse UPS room/output 200kw 480 VAC 241 MAX AMPS
1	Power Distribution Unit (PDU)	MGE	PMN168-42-100S	L08-10198	6 th floor suite 610

1	Power Distribution Unit (PDU)	MGE	PMN168-42-100S	L08-10197	6 th floor suite 610
2	CRAC UNITS	Stulz	COSO96-G	8079069 8079070	Penthouse Computer Room
7	CRAC UNIT	Stulz	COSO96-G	8079068 8079067 8079066 8079065 8079064 8079063 8079062	6 th floor suite 610
1	Drycooler	Stultz	FDS802BVG	E08D42842001001	Dry Cooler #1 on upper roof
1	Drycooler	Stultz	FDS802BVG	E08D42842001002	Dry Cooler #2 on upper roof
1	Drycooler- Pump Package	Stultz	Unknown	Unknown	Near Dry Coolers on upper roof
1	Halon Fire Suppression	ANSUL – 2 tanks	Sapphire/PN:570639	46140	6 th floor suite 610
1	Halon Fire Suppression	ANSUL – 1 small tank	Sapphire/PN:570586	46139	Penthouse Computer Room
1	Fire Suppression	ANSUL- 1 tank	Sapphire/PN: Not accessible	Not available	Penthouse UPS Room
3	Fire extinguishers				Dry chemical; 6 th floor suite 610
2	Fire alarm control panels	Simplex	4010		1 panel is located in the NOC room. 1 panel is located Penthouse Computer Room.
57	Smoke detectors				53 are located in the NOC room. 4 are located Penthouse Computer Room.
3	pull station	N/A			One in penthouse UPS room and 2 in the 6 th floor suite 610
4	bypass switch	N/A			400 amp 480 vac SSCR: 65 kaio

4	EPO	N/A			6 th floor suite 610/2 for the PDU's and 2 for the CRAC units
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3. BOZMAN CENTER DATA UNITS AND FIRE ALARM, 2100 Clarendon Blvd

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Drycooler	Liebert	Not legible	Not legible	Network room on 8 th floor & traffic control room on the 9 th floor & NR8
2	Drycooler	Flowserve/Marathon	P02-0340/PVC-56T34D5312B P	1184248CHPOO3F	3/4HP 3450 RPM
1	Air Handler # 2	STULZ	CCU-61-W	8266094	R-22/10 TH FLOOR DATA ROOM
1	Pre-action system	Viking	TotalPac2	TOT20139	175PSI/120VAC. 1/6HP
1	Air Compressor	5KH33GN293KX			
1	Strobe light	Edwards			Traffic control room 9 th floor
1	Pull station	Edwards			Traffic control 9 th floor
3	Smoke detector				2 in the traffic control room

					9 th floor and 1 in the pre-action system room.
1	WSHP	McQuay	W.FMS.2.042.F.Z.00.AA.1.1.Z.Z.A.1	28545700	Traffic control room 9 th floor/R-22.
1	WSHP	McQuay	W.CMS.2.012.E.Z.00.Z.00.AC.12.Z.Z.A.1	285315600	unit is in the freight elevator area and serves the traffic control room in 9th floor
1	WSHP	TRANE	GEHB01271JA110L.R001000010000000000	W04C14428	Unit is in the freight elevator area and serves the NR8 room in 8th floor. R-22
1	WSHP	TRANE	GEHB01271JA110L.R001000010000000000	W04C14429	Unit is in the freight elevator area and serves the NR8 room in 7th floor. R-22. Condenser water from the bldg cooling tower

1	FCU	McQuay			Suite 600 conference room
1	WSHP	TRANE	W.CCW.4.019.B.E.Y.L.S.0.1.YY.A.C.Y.YY	669735400	NR6 behind storage S-6/R- 410A
1	WSHP	McQuay	W.CMS.2.012.E.Z.00.Z.00.AC.12.Z.Z.A.1	285315700	NR5. R22
1	WSHP	McQuay	W.CCW.5.012.B.J.Y.L.S.01.YY.A.C.Y.YY.Y.YYY.YYY.YYY.A.Y.YYY.Y.Y.Y.C.1.Y.1	669561000	The unit is in the ceiling of room 406 but serves Network room 404
1	WSHP	McQuay	W.CCW.5.048.B.K.Y.R.S.01.YY.A.C.Y.YY	669810100	ROOM AVN409/R410A
1	WSHP	McQuay	W.CCW.5.012.B.J.Y.L.S.01.YY.A.C.Y.YY.Y.YYY.YYY.YYY.A.Y.YYY.Y.Y.Y.C.1.Y.1	669560200	Serves the room NR-205 but the unit is behind the room in the county personnel office space/R410A
1	WSHP	McQuay	Not Legible	Not legible	County board room AV room behind stage WSHP 1 TON

4. LEE PUMPING STATION (OEM RADIO SITE), 2400 North Wakefield Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Air Handler # 1	Trane	TWE090A300EL	5413S4YBD	Electric Heat Design: PSI High 376 PSI LOW 150 Each Use – 3pcs of 15" x 25" x 1' filter - Has one inside condenser relief pump
1	Air Handler # 2	Trane	TWE090A300EL	5381MP9BD	Electric Heat Design: PSI High 376 PSI LOW 150 Each Use – 3pcs of 15" x 25" x 1' filter - Has one condenser relief pump
2	Electric Heat on Air Handler	Trane	BAYHTRL410AB	5293Y3TCD	Electric. This is a part of the Air Handler. 480 Volts
2	Condenser Units	Trane	TTA090A400FA TTA090A400FA	5422YP6AD 5422J9TAD	Located on the side of the building
2	Unit Heaters	QMark			One in Radio room and another in the generator room
1	UPS	Liebert – Nfinity	NB20R0612600 N900E1200000	0534000003BZL4	Feeds thru one main disconnect and two separate panel boxes.
1	UPS	Liebert – Nfinity	DSNN200120612		Feeds thru one main disconnect and two separate panel boxes.
1	Generator	John Deer with Kohler Power System	100R0ZJ71	T06059T358919 289305	Unit has a fuel tank beneath it with the relief vent in the room. Tank size - 200 gallons/ 100kw 125kva Unit located inside the building
1	Automatic Transfer Switch	KOHLER	K-16631-150	K38560	
2	Fire extinguishers	Simplex			Dry chemical type BC size II
1	Fire alarm panel	Simplex	4005		

2	Smoke detector	N/A			
2	A/V device	EDWARDS			
2	Duct detector	EDWARDS			
2	Pull station	EDWARDS			
1	Heat detector	N/A	N/A	N/A	Generator room

5. BB&T BUILDING (OEM RADIO SITE), 6400 Arlington Boulevard, Suite 928 (Fairfax County)

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
2	Split Unit (R410A)	Mitsubishi - Mr. Slim Condensers:	PKA-A36FA	65A00653C 65A00654C	Condensers are on the roof. Has no condensate pump. Directly drained.
1	UPS	Liebert – Nfinity	N900E1200000	0602001008BZ 5L4	Feeds thru one main disconnect and two separate panel boxes. Input Volts: 208/220/230/240 Current: 24 Amps Max Frequency: 50/60Hz, Phase 1 Output DC: Volt – 120 DC, Current – 120 Amps DC
1	UPS	Liebert – Nfinity	NB20R0612600	053370902700 9G1	Input Volts: 208/240 Current: 110 Amp Max Amps Max Frequency: 60/60Hz, Phase 1 Output AC: Volt – 120/120/208/240 or 120 DC Current – 155 Amps DC
1	UPS BYPASS SWITCH	VERTIV			
2	Fire extinguishers				Dry chemical

6. COURT HOUSE PLAZA II - RADIO SYSTEM MASTER SITE (OEM RADIO SITE), 2300 Clarendon Boulevard

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Air Handler # 1	Trane	TWE120A300EL	6196N25BD	Electric Heat Design: PSI High 376 PSI LOW 150 Each Use – 4pcs of 16” x 25” x 1’ filter - Has one inside condenser relief pump
1	Air Handler # 2	Trane	TWE120A300EL	6196N24BD	Electric Heat Design: PSI High 376 PSI LOW 150 Each Use – 4pcs of 16” x 25” x 1’ filter - Has one condenser relief pump
2	Condenser Units	Trane Odyssey	TTA120A400FA TTA120A400FA	607520MAD6185KE3AD	Located on the Roof. R22 refrigerant
2	UPS	Liebert – Nfinity	NB20R0612600 N900E1200000	0533709005009G1 0602001008BZ5L4	Feeds thru one main disconnect and two separate panel boxes.
1	Fire alarm Panel				
2	Smoke Detectors				
1	Duct smoke detector				Located in the main supply duct of both AHU's
1	UPS Bypass switch	Liebert	NMBHW81		
2	Fire extinguishers				Dry chemical

7. SHIRLINGTON TOWER-- (PENTHOUSE EQUIPMENT ROOM - OEM RADIO SITE), 2900 South Quincy Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
2	Split System	Mitsubishi Mr. Slims	PUGH36AYB1 PUGH36AYB1	WOK5919509 WOK5919510	Has two condenser relief pumps
2	UPS	Liebert – Nfinity	N900E1200000 NB20R061200	0602001007BZ 5L4	Feeds thru one main disconnect and two separate panel boxes.
1	Generator	Katolight, 75kW Rating: Standby Engine: 4045TF250 John Deere RPM: 1800, 60HZ, 75KW, 94KVA, 120/240V AC generator – Marathon Synchronous	SD275FRS4 4045TF250 362CSL1606-1	126356-0506 669081 4-06	Unit is fence in the rear of the building Call: 507-625-7973 Fuel tank is attached below the generator
1	Automatic Transfer Switch	ZENITH	ZS2B01531- 04E410X	N149313	Electric room in basement
1	Fire alarm Panel	Silent knight	FFP-50		
4	Smoke Detectors				
1	Pull station	Silent knight			
2	Audiovisuals				
1	Preaction system	Air Compressor; flow device; dry valve; tamper valve; control valve	OL11016AC-LP	OL110- 07270503	Oil-less compressor
1	Flow device				
1	Control valve				
2	Fire extinguishers				Dry chemical type BC size II

8. BALLSTON ARCHSTONE PLACE APARTMENTS (OEM RADIO SITE), 901 North Pollard Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Air Handler # 1	Trane	2TEC3F48A1000AA	6135CSS2V	Electric Heat Design: PSI High 376 PSI LOW 150 R22 – 480PSI Has one inside condenser relief pump
1	Air Handler # 2	Trane	2TEC3F48A1000AA	6135A811V	Electric Heat Design: PSI High 376 PSI LOW 150 Has one condenser relief pump R22 only at 480PSI
2	Condensers	Trane Odyssey	2TTA0048A3000AA 2TTA0048A3000AA	612549A3F 61255A03F	Located on the Roof. HCFC – 22, 3.09Kg(SI)
2	UPS	Liebert – Nfinity	NB20R0612600 N900E1200000	0602001005BZ5L4	Feeds thru one main disconnect and two separate panel boxes.
1	Generator	Katolight John Deere Engine: KVA 469, KW 375, RPM 1800, Hz 60 Rating - Standby Marathon Electric AC Power generator	SD375FRJ4T2 6125HF070 433PSL6216	131047-0906 WA-552313-0806	Unit has a fuel tank adjacent to it. The relief vent vents in the room.
1	Automatic Transfer Switch	ZENITH		N/A	
2	Fire extinguishers				Dry chemical

1	Bypass Maintenance switch	Liebert	NMBHW81	0602300004BZ8L4	Penthouse
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9. RITZ CARLTON (PENTHOUSE EQUIPMENT ROOM - OEM RADIO SITE), 1250 South Hayes Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Air Handler # 1	Trane	TWE090A300EL	6074NR6BD	Electric Heat Design: PSI High 376 PSI LOW 150 Has one inside condenser relief pump
1	Air Handler # 2	Trane	TWE090A300EL	6023UTJBD	Electric Heat Design: PSI High 376 PSI LOW 150 Has one condenser relief pump
2	Condenser Units	Trane Odyssey	TTA090A400FA TTA090A400FA	548124SAD 545514PAD	Located on the Roof. R22
2	UPS	Liebert – Nfinity	NB20R0612600 N900E1200000	0602301001BZ5L4	Feeds thru one main disconnect and two separate panel boxes.
2	Fire extinguishers				Dry chemical/CO2
2	Duct smoke detectors				
1	UPS bypass switch				

10. TRADE CENTER NETWORK OPERATIONS CENTER (NOC), 2770 South Taylor Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	Generator	Generac	12006040200	2106910	Parking Lot

1	Automatic Transfer Switch	Zenith	Z85SB10036- 07E601X 1000AMP	1608265-1	Electrical RM, 106
1	Unit heater	QMARK	EFQ60048	N/A	Receiving area - dock
1	UPS 1 & Battery cabinet	MGE	GWTUPS200 200 KVA	50XL12009	VRLA – 40 jars Electrical RM, 106
1	UPS 2 & Battery cabinet	MGE	GWTUPS200 200 KVA	50XL1200B	VRLA – 40 jars Electrical RM 106
1	UPS Maintenance By-pass	MGE			Electrical RM 106
1	PDU 1	MGE	PMN168-42-200F	L10-10515	Computer Room
1	PDU 2	MGE	PMN168-42-200F	L10-10516	Computer Room
6	CRAC UNITS	Stulz	VFS-120-DG-FC	10001199 10001195 10001197 10001196 10001194 10001198	Computer Room
2	CRAC UNIT 7	Stulz	COS-060-G-FC	10001200 10001201	Electrical RM 106
1	RTU	Trane	WSC048E4	102711590L	Roof
1	Drycooler	Stultz	ATS-FDS-804BVG	E10G519967 01001	Roof
1	Drycooler	Stultz	ATS-FDS-804BVG	E10G519967 01002	Roof
1	Dry-cooler Pump	Stultz	GPS-100-S-A		Roof
1	Dry-cooler Pump	Stultz	GPS-100-S-A		Roof
1	FM-200 Fire Suppression System	Siemens	Firefinder XLS		Entrance Wall
1	Pre-Action Sprinkler	Tyco	DV-5		Entrance Wall
5	Fire extinguishers				Dry chemical
1	Generator	Generac	12006040200	2106910	Parking Lot, 600KW/750KVA Generator fuel tank = 500 gallons

64	Smoke detectors	N/A			
8	Tanks	Sinorix 227			6 active and 2 spare tanks of Siemens
16	annunciation devices	N/A			6 active and 2 spare tanks Siemens
7	pull stations	N/A			
6	bypass switch	N/A			

11. EMERGENCY CALL CENTER (ECC) – COURT SQUARE WEST, 5th floor, 1400 North Uhle Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
4	UPS	Ferrups- Best	(2)FD12.5 KVA (1)FD7KVA (1)FD10KVA		(2).Radio room and (2)in Computer Room

12. LUBBER RUN COMMUNITY CENTER – 300 N. Park Drive

Qty	Equipment Type	Manufacturer	Model #
16	Batteries	Hitachi	HRL12540WFR

13. Customer Site & Equipment List

Emergency Call Center (ECC)-Courts /Police Facility, 1425 North Courthouse Rd.

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	UPS	Mitsubishi	9900A	11-7M73855-	Penthouse
1	UPS	Mitsubishi	9900A	11-7M73855-	Penthouse

Bozman Center Network Operations Center (NOC), 2100 Clarendon Boulevard

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	UPS 1 & Battery cabinet	LIEBERT EXM	51SN200LAA000 CY	M18KDH003	Penthouse UPS Room/output 200kw 480 VAC 241 MAX AMPS
1	UPS 2 & Battery cabinet	LIEBERT EXM	51SN200LAA000 CY	M18KDH0004	Penthouse UPS room/output 200kw 480 VAC 241 MAX AMPS
1	WSHP	Daikin	Series NR 205	SLPU1710034 6	2nd floor by storage in hallway by suite 203E - Real Estate Dep't
1	WSHP	McQuay	SWP018F27ASY YYO	FBOU0701006 7	4th floor mechanical room by freight elevator
1	WSHP	Magic Aire	36-bwh-6	880404409	5th floor Copy Center
1	WSHP	McQuay	WCMS2048KZO OZOOAC12	AUBA0531020 71	10th floor County Network room by freight elevator
1	WSHP	Carrier	50RVR036LCC51 130	1806V29025	Room 8151
1	WSHP	TBD	TBD	TBD	Room 8151
1	CRAC	Stulz	COS060-W-U	22820024	5th floor Copy Center

Trade Center Network Operations Center (NOC), 2770 South Taylor Street

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	UPS 1 & Battery cabinet	MGE	GWTUPS200 200 KVA	50XL12009	VRLA – 40 jars Electrical RM, 106
1	UPS 2 & Battery cabinet	MGE	GWTUPS200 200 KVA	50XL1200B	VRLA – 40 jars Electrical RM 106



14. BARCROFT PARK- 4200 S. Four Mile Run

QTY	Equipment Type	Serial #
1	UPS model ED70	B241650

15. 2100 Clarendon Blvd G1 Garage- Glass Elevator- Fire Alarm Systems and Devices

QTY	EQUIPMENT TYPE	MANUFACTURER	MODEL #	SERIAL #	REMARKS
1	Honeywell 6700 Fire Alarm Control Panel	Honeywell	6700		
3	Smoke Detectors				
1	Tamper Switch				
1	Elevator Recall				
1	Hi/Low Air Switch Pressure Switch				
1	Heat Detector				
1	Pressure Switch				Dry Sprinkler system elevator room and shaft
1	Hi/Low Air Switch				Elevator room and shaft
1	Tamper Switch				Elevator room and shaft

16. 2111 Wilson Blvd Colonial Elevator

QTY	EQUIPMENT TYPE	MANUFACTURER	MODEL #	SERIAL #	REMARKS
1	Honeywell Fire Alarm	Honeywell	6700		
1	Smoke Detector				
2	Stick Heat Detectors				
1	Elevator Recall				

17. Detention Center- 1435 N Courthouse Rd, Arlington Co.

QTY	EQUIPMENT TYPE	MANUFACTURER	MODEL #	SERIAL #	REMARKS
1	UPS/Battery	Liebert	EXM-40kVA	M18CZB0022	24 Batteries



Proposal

To:	Arlington County Government 1400 N. Uhle St. Arlington, VA 22201	Proposal No:	23-0372
		Date:	May 8, 2023
		Job Name:	Fire Suppression PM
		Contact:	Jorge Gatica-Delgado
		Phone:	571-882-4570
Attn:	Rolando Diaz	Email:	jgatica@arlingtonva.us

ABM Facility Support Services, LLC (ABM) appreciates the opportunity to present this proposal to Arlington County provide maintenance inspections on the fire suppression at Arlington County.

We hereby submit pricing for supervision, labor, and materials for the following:

Fire Suppression Systems

It will include the equipment listed below and will include the following preventive maintenance procedures:

- Check in with customer to discuss any operating issues or deficiencies.
- Check unit for proper operation, interlocks, tagging and excessive noise or vibration. Perform preventive maintenance and fill out maintenance report; note any problems.
- Notify proper authorities and customer prior to testing any alarm systems.
- Check that nozzle heads are clear from obstructions, have not been damaged and in proper position.
- Check to ensure that all operating controls are properly set.
- Visually inspect the control panel for obstructions or physical damage: clean, check cards, tighten loose connections and make minor adjustments.
- Check battery voltages, recharge or replace as necessary.
- Conduct operational test of actuating devices and alarm system in accordance with manufacturer specifications and NFPA.
- Check the operation and timing of the time delay control and operation of the abort station.
- Clean and tighten all smoke detectors.
- Check measuring tube and gauges on halon tanks.
- Restore system to proper operating condition and notify owner/personnel upon completion of tests.
- Inspect protected area for proper air seal and safety issues.
- Fill out maintenance checklist and report any deficiencies.

2100 Clarendon Boulevard G1 Garage – Glass Elevator

- **Annual Test and Inspection of the following Fire Alarm System and Devices**
 - 1 Honeywell 6700 Fire Alarm Control Panel
 - 3 Smoke Detectors
 - 1 Tamper Switch
 - 1 Elevator Recall
 - 1 Hi/Low Air Switch 1 Pressure Switch
 - 1 Heat Detector

- **Quarterly Test and Inspection of (1) 3” Dry Sprinkler System – Elevator Equipment room and Shaft**
 - 1 Pressure Switch
 - 1 Hi/Low Air Switch
 - 1 Tamper Switch

2111 Wilson Boulevard Colonial - Elevator

- **Annual Test and Inspection of the following Fire Alarm System and Devices**
 - 1 Honeywell 6700 Fire Alarm Control Panel
 - 1 Smoke Detector
 - 2 Stick Heat Detectors
 - 1 Elevator Recall

Clarifications and Exclusions:

- **This proposal adheres to all terms and conditions of contract 20-232-ITB**
- **Elevator Company must be present during Annual Fire Alarm Inspection to complete the Annual Elevator Recall.**
- **All work to be performed during normal working hours.**
- **Overtime is excluded**
- **Additional charges may be applied if a return trip is needed to complete the Elevator Recall.**
- **This is a PM only contract, if any repairs parts are needed they will be billed as used.**

ABM is pleased to offer these services for the price of \$4,402.00



Proposal

To:	Arlington County Government 1400 N. Uhle St. Arlington, VA 22201	Proposal No:	23-0423
		Date:	June 1, 2023
		Job Name:	UPS PM
		Contact:	Rami Al Assaf
		Phone:	703-283-0847
Attn:	Rami Al Assaf	Email:	Ralassaf@arlingtonva.us

ABM Facility Support Services, LLC (ABM) appreciates the opportunity to present this proposal to Arlington County provide maintenance inspections on the Liebert UPS at 1435 N Courthouse Rd – Detention Center Arlington County.

We hereby submit pricing for supervision, labor, and materials for the following:

UPS and Batteries

It will include the equipment listed below and will include the following preventive maintenance procedures:

Annual UPS Inspection

The following is an outline of general checks performed during a Major PM inspection of the UPS Power Module. All checks are designed to be performed either during normal operation with no danger to the UPS's operation condition and the critical load, or during off line operation, in the bypass mode. All checks or processes may not be applicable to all equipment models. The Contractor is responsible to provide or engage a third party (Manufacturer) all preventive maintenance on the equipment necessary to meet manufacturer's warranty requirements. In addition, the Contractor will be required to coordinate the purchase from the UPS manufacturer a preventive maintenance program that will ensure full warranty of the equipment.

Visual Inspection

- Provide and/or update the equipment log sheet in a plastic pouch in a conspicuous location by the equipment.
- Inspect all printed circuit boards connections for cleanliness, swab contacts if necessary.
- Inspect all power connections for signs of overheating.
- Inspect all subassemblies, bridges and legs for signs of component defects or stress
- Inspect all DC capacitors for signs of leakage.
- Inspect all AC capacitors for signs of leakage.
- Inspect and inventory all customer owned spare parts.
- Inspect for, and perform as required, any open engineering changes.

Internal Operating Parameters shall include diagnostic and visual inspection/verification of: DC Ground Detection Offset.

- Inverter leg current average balance.
- Output filter current average phase balance.
- Rectifier bridge current average leg balance.
- AC Protection settings and operation.
- DC Protection settings and operation.
- Input and Output Frequency and Voltage Bandwidth settings.
- Verify DC filter capacitance.
- Verify AC tank and trap filter capacitance.
- Power Supply voltages and waveforms.
- Replace Power Module backup batteries.
- Static Switch leakage testing

External Operating Parameters shall include diagnostic and visual inspection/verification of:

- System Input Voltages (all phases). System Input Currents (all phases).
- DC Charging Voltage (float and equalize), record settings, adjust to nominal.
- Rectifier phase on and step up.
- Inverter phase on and step up.
- Adjust all panel meters to measured values.
- System Bypass Voltages (all phases).
- Manual and UV Transfer Testing, verify uninterrupted transfer waveform.
- Outage simulation, and battery capability testing, and verify charger current limit.
- Generator operation and interface verification.

Environmental Parameters

- Check UPS area ambient temperature and condition of ventilating equipment.
- Check general Cleanliness of UPS Power Module and wipe down as needed.
- Check general Cleanliness of UPS area.
- Replace all air filters.
- Clean control panel/CRT screen.

Battery Cabinet Checks

- Check general appearance of Battery System (all types).
- Check general cleanliness of Battery System area (all types).
- Inspect cells for physical abnormalities.
- Inspect all DC connections for abnormalities.
- Check battery System area ambient temperature and condition of ventilating equipment.
- Record the DC voltage and internal battery resistance of each block of the battery strings. Measure and record DC float voltage and DC charge current, as well as ensure AC ripple voltage and current are within design specifications. Perform overall system diagnostics and battery voltage and current data for analysis and trending through module or battery level measurements.

- Perform cleaning of accessible surfaces and surrounding areas.

Monitoring System Parameters

- Alarm archive review and printing.
- Alarm lamp test - local and remote.
- Replace all open monitor bulbs.

Following the Major PM inspection, a written report will be provided detailing the results of the inspection, and making specific recommendations toward future remedial action, upgrades, or sparing.

1435 N Courthouse Rd – Detention Center

Qty	Equipment Type	Manufacturer	Model #	Serial #	Remarks
1	UPS/Battery	Liebert	EXM – 40kVA	M18CZB0022	24 Batteries

Clarifications and Exclusions:

- All work to be performed during normal working hours.
- Overtime is excluded
- This is a PM only contract, if any repairs parts are needed they will be billed as used.

ABM is pleased to offer these services for the price of \$ 2,040.00