

Bid Package

for

# HVAC PLANNED SERVICE AGREEMENT AIRPORT ADMINISTRATION BUILDING

April 9, 2024

→ MBS INTERNATIONAL AIRPORT→ FREELAND, MICHIGAN

Prepared by: MBS International Airport Commission

8500 Garfield Road, Suite 101

Freeland, MI 48623

#### ADVERTISEMENT FOR BIDS

Sealed proposals for the procurement of the following will be received at the time and place indicated below and will then be publicly opened and read:

Sponsor of Equipment: MBS International Airport Commission

8500 Garfield Rd, Suite 101

Freeland, MI 48623

Procurement: HVAC Planned Service Agreement – Administration Building

<u>Proposal Packages:</u> May be obtained at no cost from:

MBS International Airport Commission

Administration Office 8500 Garfield Rd, Suite 101

Freeland, MI 48623 989-695-5555 x8

Proposal Submission/Deadline: Airport Director's office until 2:00 p.m. Eastern Standard Time on

Friday October 11, 2024 at which time all bids will be publicly

opened.

Owner: MBS International Airport Commission

By: James Canders, Airport Director



## HVAC Planned Service Agreement Bid Document Airport Administration Building

#### **Summary of Services and Options**

#### Comprehensive and Operational Inspections

During comprehensive and operational inspections, Bidder will perform routine checks of the equipment for common issues caused by normal wear and tear on the equipment. Additional tests can be run to confirm the equipment's performance.

Routine maintenance, such as lubrication, cleaning and tightening connections, can be performed depending on the type of equipment being serviced. Routine maintenance is one of the keys to the five values of maintenance – it can help identify energy saving opportunities, reduce future repair costs, extend asset life, ensure productive environments, and promote health and safety.

#### Filter Replacement

Clean air filters help maintain proper airflow throughout your building. Decreased airflow can impair the performance of the cooling coil and may lead to occupant discomfort and inefficient operation of the HVAC system. Bidder will replace the filters on a regular basis to maintain airflow and maximize air quality.

#### Operational Visit/Supervisory Controls System Verification

Based on factory recommendations, Bidder will execute routine preventative maintenance on the supervisory controllers and servers in Airport Metasys system. The inspection includes the following tasks:

- Visual inspection of the control panel and cleaning as needed.
- Review of alarms, points which are offline, out of service and overridden points.
- Local backups of controllers, objects, and server repositories.
- Review security database and ensure default passwords are changed.

**Advantages:** Provides proactive identification of problems, which helps maintain productive environments, identify energy efficiency opportunities, reduce future repairs and extend the life of your equipment.

#### **Planned Service Agreement**

Customer Name: MBS INTERNATIONAL AIRPORT ADMINISTRATIVE BUILDING

Address: 8500 GARFIELD RD FREELAND,MI 48623-8626

Proposal Date:

#### Scope of Service

Bidder and the MBS International Airport (Airport) (collectively the "Parties") agree Preventative Maintenance Services, as defined in Schedule A ("Services"), will be provided by Bidder at the Airport's facility. This Planned Service Agreement, the Equipment List, Supplemental Price and Payment Terms, Terms and Conditions, and Schedules attached hereto and incorporated by this reference as if set forth fully herein (collectively the "Agreement"), cover the rights and obligations of both the Airport and the Bidder. This Agreement will include all labor, travel and living expenses to perform the inspection services and inspection maintenance described for the Equipment.

#### **Description of Service Coverage**

If Premium Coverage is selected, on-site repair services to the equipment will be provided as specified in this Agreement for the equipment listed in the attached Equipment List.

**Basic Coverage** means Schedule Service Visits, plus Scheduled Service Materials (unless excluded from this Agreement). No parts, equipment, repair labor, or repair materials provided under Basic Coverage.

**Premium Coverage** means Basic Coverage, plus repair labor, plus repair material (unless excluded from this Agreement).

#### **Emergency Service**

Activities performed under this Agreement are designed to minimize the incidence of emergency situations. However, should an emergency arise, Bidder personnel will assess the situation either by phone or remote diagnostics, or both, and will determine the required course of action with Airport. If it is determined that a site visit is required, Bidder personnel will arrive at Airport site within 4 hours. If the resolution of the emergency service call requires Bidder to provide service for equipment, software or any components thereof that are not listed on the List of Covered Equipment and Software, Airport will be liable for charges then prevailing for such service.

Emergency Service will be provided during the following periods during the term of this Agreement:

#### Regular Business Hours Emergency Service:

8.5 hours per day, five days per week, federal holidays excluded. Specified hours: 8:00 am, - 4:30 pm, Monday through Friday

#### **Equipment List**

Only the equipment listed in the Equipment List will be covered as part of this Agreement. Any changes to the Equipment List must be agreed upon in writing by both Parties.

#### **Term / Automatic Renewal**

This Agreement takes effect on <u>11/01/2024</u> and will continue until <u>05/31/2027</u> ("Original Term"). The Original Term and any renewal periods are sometimes collectively referred to in this Agreement as the "Term". Renewal price adjustments are discussed in the Terms and Conditions.

Refrigerant Charges			
Refrigerant is not included under this Agreement and will be billed separately to the Airport by Bidder.			
Price and Payment Terms			
The total Contract Price for Bidder's Services duri \$ This amount will be paid to Bid subsequent year of a multiyear original term is set All payments will be due and payable within 30 da Customer shall be a condition precedent to Bidder adjustments are set forth in the Terms and Conditions will be sent to the following location:	Ider in Quarterly installments. Pricing fo t forth in the Supplemental Price and Pa ays of the invoice date and such timely p r's obligation to perform its Services. Ro	ayment Terms. Dayment by	
Invoices will be sent to the following location:			
MBS INTERNATIONAL AIRPORT COMMIS 8500 GARFIELD RD SUITE 101 FREELAND,MI 48623	SSION		
In lieu of paper invoices sent to the local email address: <a href="mailto:accounting@mbsairport">accounting@mbsairport</a>		d to the following	
This proposal is valid for thirty days from the proposal date.			
Bidder Company:	er Company: MBS International Airport		
Ву:	By:		
Signature:	Signature:	Signature:	
Title: Date:	Title:	Date:	
Signature:	Customer PO#:		
Title: Date:	<u></u>		
Bidder Address:			
Phono			
Phone:			

#### Schedule A - Equipment List

MBS INTERNATIONAL AIRPORT	8500 GARFIELD RD	
	FREELAND, MI 48623-8626	

Air Handling Unit (AHU), Make-Up Air Unit (MAU), 15-30 HP

Quantity: 1 Coverage Level:

Premium

**Services Provided** 

1 Operational

1 Comprehensive

4 Standard Filter Change

**Customer Tag** Manufacturer Model # Serial #

Air Handling Unit (AHU), Mixed Air, <15 HP

Quantity:

Coverage Level: Premium **Services Provided** 

1 Operational

4 Standard Filter Change

1 Comprehensive

**Customer Tag** Manufacturer Model # Serial #

Boiler, Gas-Fired, Fire Tube, <50 HP

Ouantity: 2

Coverage Level:

Premium

**Services Provided** 

Comprehensive 1

**Customer Tag Manufacturer** Model # Serial #

Condenser, Air Cooled, 15-40 Tons

Quantity: 2

Coverage Level: Premium **Services Provided** 

1

Operational 1

Comprehensive

1 Condenser Coil Cleaning

**Customer Tag Manufacturer** Model # Serial #

Controls (Controller/End Devices), Supervisory/Server/UI, 3rd Party, 0-25000 points

Quantity:

Coverage Level: Premium **Services Provided** 

Operational 3

**Customer Tag Manufacturer** Model # Serial #

Controls (Controller/End Devices), Variable Air Volume (VAV), 3rd Party, 0-25 points

MBS INTERNATIONAL AIRPORT

8500 GARFIELD RD
FREELAND, MI 48623-8626

Quantity: 16 Services Provided

Coverage Level: Premium 1 Comprehensive - Full Inspection

<u>Customer Taq</u> <u>Manufacturer</u> <u>Model #</u> <u>Serial #</u>

Pump, Circulating, 0-10 HP

Quantity: 4 Services Provided
Coverage Level: Premium 4 Operational

overage zeven. Tremium

<u>Customer Tag</u> <u>Manufacturer</u> <u>Model #</u> <u>Serial #</u>

Split System, Cooling Only, <7.5 Tons

Quantity: 1 Services Provided

Coverage Level: Premium 2 Operational (Mid Season - Cooling

Only)

**Services Provided** 

Customer Tag Manufacturer Model # Serial #

Terminal Product, Fan Coil Unit (FCU), Horizontal Air Flow, 300-1200 CFM

Quantity: 3

Coverage Level: Premium 2 Operational

<u>Customer Tag</u> <u>Manufacturer</u> <u>Model #</u> <u>Serial #</u>

Unit Heater, Gas Fired, <300000 BTU

Quantity: 2 Services Provided
Coverage Level: Premium 2 Operational

Customer Tag Manufacturer Model # Serial #

### **Equipment Tasking**

#### Air Handling Unit (AHU), Make-Up Air Unit (MAU), 15-30 HP

Comprehensive

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240

volts

All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies

Visually inspect damper(s)

Check condition of pulleys and belts Check for proper fan operation

Check condition of coils Check condition of filters

Record temperatures and pressures (if applicable)

Check for unusual noise and vibration Check for deterioration of gaskets and seals

Check overall condition of unit

Visually inspect for fluid leaks of coils and connecting piping

Check starter/contactor

Check and tighten electrical connections

Check damper operation and lubricate as required

Visually check control valve(s)

Lubricate blower and motor bearings

Clean condensate pan and clear drain line

Check condition of blower assembly

Remove and dispose any debris from any maintenance activity Document tasks performed during visit and report any observations to

appropriate customer representative

Operational

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240

volts

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Inspect motor mounting isolators

Check for integrity of cabinet hardware

Visually inspect damper(s) Verify damper operation

Check condition of pulleys and belts Check for proper fan operation Check condition of coils Check condition of filters

Record temperatures and pressures (if applicable)

Check condensate drain

Visually inspect electrical connections Check for unusual noise and vibration

Check overall condition of unit

Visually inspect for fluid leaks of coils and connecting piping

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Standard Filter Change

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing

work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies

Turn equipment off Remove dirty filters Install new filters Turn equipment on

Dispose of dirty filter appropriately

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Air Handling Unit (AHU), Mixed Air, <15 HP

#### Comprehensive

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240 volts

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Visually inspect damper(s)

Check condition of pulleys and belts Check for proper fan operation Check condition of coils

Check condition of filters

Record temperatures and pressures (if applicable)

Check for unusual noise and vibration Check for deterioration of gaskets and seals

Check overall condition of unit

Visually inspect for fluid leaks of coils and connecting piping

Check starter/contactor

Check and tighten electrical connections

Check damper operation and lubricate as required

Visually check control valve(s)

Lubricate blower and motor bearings

Clean condensate pan and clear drain line

Check condition of blower assembly

Remove and dispose any debris from any maintenance activity

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Operational

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite

Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery

Use appropriate Arc/flash personal protective equipment on voltages over 240 volts

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Inspect motor mounting isolators

Check for integrity of cabinet hardware

Visually inspect damper(s)

Verify damper operation

Check condition of pulleys and belts

Check for proper fan operation

Check condition of coils

Check condition of filters

Record temperatures and pressures (if applicable)

Check condensate drain

Visually inspect electrical connections

Check for unusual noise and vibration

Check overall condition of unit

Visually inspect for fluid leaks of coils and connecting piping

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Standard Filter Change

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Turn equipment off Remove dirty filters Install new filters Turn equipment on

Dispose of dirty filter appropriately

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Boiler, Gas-Fired, Fire Tube, <50 HP

#### Comprehensive

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite

Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Inspect burner contactors for wear

Check and tighten electrical connections

Check for proper gas supply pressure

Check and clean pilot assembly

Clean combustion fan wheel

Visually inspect combustion chamber, draft diverter and flue for accumulation of soot - clean as needed

Check burner for proper sequence of operation

Check operating controls

Check all safety controls

Lift relief valve to ensure proper operation

Check boiler relief valves for leakage

Check combustion blower motor operation and lubricate as needed

Check factory supplied gas piping and components for leakage

Drain boiler, open hand hole covers and clean as needed (if applicable)

Disassemble and clean low water cut-out

Fill boiler and check for proper operation of make-up water valve

Verify proper operation of low water cut-out control

Check overall condition of unit

Record and log all operating parameters (including pressures and temperatures)

Remove and dispose any debris from any maintenance activity

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Condenser, Air Cooled, 15-40 Tons

#### Comprehensive

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite

Use appropriate hand gloves on worksite

**HRCs** refrigerants

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery

Use appropriate Arc/flash personal protective equipment on voltages over 240 volts

Use and follow the Bidder safety policy for working with CFCs, HCFCs and

Page **11** of **15** 

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Check and tighten electrical connections

Check contactor(s)

Check condition of condenser coil

Check for visual signs of refrigerant/oil leak(s)

Check condenser fan components and lubricate as required

Check for unusual noise and vibration

Check overall condition of unit

Remove and dispose any debris from any maintenance activity Document tasks performed during visit and report any observations to appropriate customer representative

#### Condenser Coil Cleaning

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite

Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work
Use and follow the Bidder Lock-out Tag-out on all electrical machinery
Use appropriate Arc/flash personal protective equipment on voltages over 240

volts

Use and follow the Bidder safety policy for working with CFCs, HCFCs and HRCs refrigerants

All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies Rinse coil(s) thoroughly with water

Remove and dispose any debris from any maintenance activity Document tasks performed during visit and report any observations to appropriate customer representative

#### Operational

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240 volts

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Check condition of condenser coil Visually inspect electrical connections Check condenser fan components

Check for visual signs of refrigerant/oil leak(s)

Check for unusual noise and vibration

Check overall condition of unit

Document tasks performed during visit and report any observations to appropriate customer representative

Controls (Controller/End Devices), Supervisory/Server/UI, 3rd Party,

#### 0-25000 points

Operational

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing

Use and follow the Bidder Ladder Safety processes while performing work
Use and follow the Bidder Lock-out Tag-out on all electrical machinery
All work must be performed in accordance with Bidder safety policies
Check with appropriate customer representative for operational deficiencies
Use compressed air to remove dust from computer case openings and verify
operation of CPU and case fans

Identify and notify customer of abnormal supervisory device communications Document tasks performed during visit and report any observations to appropriate customer representative

## Controls (Controller/End Devices), Variable Air Volume (VAV), 3rd Party, 0-25 points

Comprehensive - Full Inspection

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies Create local back up of existing program and store on on-site computer and on-site media

Run VAV box flow test

Verify unit is controlling to set points by checking sequences of operations and PID loops

Identify and notify customer of abnormal point communications

Identify and notify customer of current overrides (e.g. out of service) and negative impacts

Identify and notify customer of all current alarms and negative impacts Visually validate system outputs from the field controller

Validate controls safety circuit and alarm verification (coordinate with customer)

Tighten electrical connections

Check overall condition of panel and perform visual inspection of unit and surrounding area

Document tasks performed during visit and report any observations to appropriate customer representative

#### Pump, Circulating, 0-10 HP

Operational

Use appropriate eye protection in work environment Use appropriate Head protection on worksite Use appropriate hand gloves on worksite Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240 volts

All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies

Check for leaks Check pressures

Visually inspect coupling

Check for unusual noise and vibration

Check overall condition of unit

Document tasks performed during visit and report any observations to appropriate customer representative

#### Split System, Cooling Only, <7.5 Tons

Operational (Mid Season - Cooling Only)

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite

Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery Use appropriate Arc/flash personal protective equipment on voltages over 240 volts

Use and follow the Bidder safety policy for working with CFCs, HCFCs and HRCs refrigerants

All work must be performed in accordance with Bidder safety policies

Check with appropriate customer representative for operational deficiencies

Check condition of condenser coil

Check condenser fan motors and blades

Check condensing unit electrical connections and contactor(s)

Check blower motor operation

Check condition of filters

Check condition of pulley and belts (if applicable)

Check condensate system

Check for visual signs of refrigerant/oil leak(s)

Check for unusual noise and vibration

Check overall condition of unit

Document tasks performed during visit and report any observations to appropriate customer representative

## Terminal Product, Fan Coil Unit (FCU), Horizontal Air Flow, 300-1200 CFM

Operational

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies Check condition of pulley and belts (if applicable)

Check condition of coils

Check condition of filters

Check condensate drain

Check for unusual noise and vibration

Check unit for proper operation

Check overall condition of unit

Document tasks performed during visit and report any observations to appropriate customer representative

#### Unit Heater, Gas Fired, <300000 BTU

#### Operational

Use appropriate eye protection in work environment

Use appropriate Head protection on worksite Use appropriate hand gloves on worksite

Use and follow the Bidder safety policy for Fall Protection while performing

work

Use and follow the Bidder Ladder Safety processes while performing work Use and follow the Bidder Lock-out Tag-out on all electrical machinery All work must be performed in accordance with Bidder safety policies Check with appropriate customer representative for operational deficiencies

Check integrity of unit heater supports

Check condition of pulley and belts (if applicable)

Check for proper fan operation

Cycle thermostat and check for proper operation

Check for unusual noise and vibration

Check overall condition of unit

Document tasks performed during visit and report any observations to

appropriate customer representative

#### Supplemental Price & Payment Terms (Applies to Multi-Year Contracts Only)

Year	Total Annual Dollar Amount	Payment Frequency
Year 1	\$	Quarterly
Year 2	\$	Quarterly
Year 3	\$	Quarterly

#### **Special Additions and Exceptions**