REQUEST FOR PROPOSAL

2020 – 2024
CONTRACT HVAC PREVENTATIVE MAINTENANCE & REPAIR SERVICES
For
Renton Regional Fire Authority RFA Worksites

RENTON REGIONAL FIRE AUTHORITY
18002 108TH AVE SE
RENTON WA 98055

RENTON REGIONAL FIRE AUTHORITY REPRESENTATIVE:
KYLE KAUZLARICH, FACILITY MANAGER
(425) 430-7740

ANTICIPATED TIME SCHEDULE:
Issue RFP................................................................Friday, May 3rd, 2019
Job Walk..................................................Wednesday, May 8th, 2019
Proposal Submittal Deadline..............................Friday, May 17th, 2019
CONTRACT HVAC PREVENTATIVE MAINTENANCE & REPAIR SERVICES

SECTION 1 - TABLE OF CONTENTS

SECTION 1 - TABLE OF CONTENTS
SECTION 2 - SYNOPSIS OF PROPOSAL INFORMATION
SECTION 3 - REQUEST FOR PROPOSALS
SECTION 4 - INSTRUCTIONS TO CONTRACTORS
SECTION 5 - INFORMATION TO BE SUBMITTED WITH PROPOSAL
SECTION 6 - GENERAL SCOPE OF WORK & TASKING
SECTION 7 - SITE LOCATIONS AND FREQUENCY SCHEDULES
EXHIBIT A - CONTRACT AGREEMENT
EXHIBIT B - STATEMENT OF CONTRACTOR’S QUALIFICATIONS & LIST OF SUB-CONTRACTORS
EXHIBIT C - PROPOSAL FORM
EXHIBIT D - COMBINED AFFIDAVIT AND CERTIFICATION FORM
EXHIBIT E - PREVAILING WAGES
EXHIBIT F - PRICING SHEET
EXHIBIT G - WAGE PAYMENT CERTIFICATION
SECTION 2 - SYNOPSIS OF PROPOSAL INFORMATION

A. **Contract:** Contract HVAC, Backflows/Plumbing, Fire Sprinkler/Alarming/Monitoring, and Generator, Preventative Maintenance & Repair Services.

B. **Work Description:** The Contractor will furnish all labor, supplies, materials and equipment to perform HVAC, backflow/plumbing, Fire Sprinkler/Alarming/Monitoring, and generator preventative maintenance & repair services for listed Renton Regional Fire Authority owned and leased properties.

C. **Work Locations:**
   1. Station 11, 211 Mill Ave S
   2. Station 12, 1209 Kirkland Ave NE
   3. Station 13, 18002 108th Ave SE
   4. Fleet Shop, 18006 108th Ave SE
   5. Station 14, 1900 Lind Ave SW
   6. Station 15, 1404 N 30th St
   7. Station 16, 12923 156th Ave SE
   8. Station 17, 14810 SE Petrovitsky Rd

D. **Owner:** Renton Regional Fire Authority
   18002 108th Ave SE
   Renton, WA 98055

E. **Owner’s Project Manager:** Kyle Kauzlarich, Facilities Manager
   Support Services Division
   *Mailing Address:*
   18002 108th Ave SE
   Renton, WA 98055
   Cell Phone (425) 970-5063
   Office Phone (425) 430-7740
   FAX (425) 430-7044

F. **Proposals Due:** Friday, May 17th, 2019 until 11:00 a.m.

G. **Wages:** Pay state prevailing wage rates
Renton Regional Fire Authority

Request for Proposals

Facilities Maintenance Contract: HVAC, Backflow/Plumbing, Fire Sprinkler/Alarm/Monitoring, and Generator Preventative Maintenance & Repair Services

The Renton Regional Fire Authority is requesting Proposals for CONTRACT HVAC, BACKFLOW/PLUMBING, FIRE SPRINKLER/ALARM/MONITORING, and GENERATOR PREVENTATIVE MAINTENANCE & REPAIR SERVICES. The Proposal is for a contract to provide up to five (5) years of complete preventative maintenance for the crafts listed above and repairs services for eight (8) sites through December 31, 2024, based upon available funding in any given year, with an option to renew for up to an additional three (3) years. Financial scope & service review meetings will occur no less than annually, or more frequently as requested by RRFA. Sealed proposals will be received at Renton Regional Fire Authority, Station #13, 18002 108th Ave SE, Renton, WA 98055 until 11:00 a.m., Friday, May 17th 2019.

Obtain the complete proposal document on-line via the Renton Regional Fire Authority website, RFPs & Bids page, at https://rentonrfa.com/rfp-bids/

Questions and requests for proposal documents shall be addressed to Kyle Kauzlarich, Facilities Manager, 18002 108th Ave SE, Renton, WA 98055 telephone (425) 430-7740. The Renton Regional Fire Authority reserves the right to reject any and all proposals and to waive minor irregularities in the proposal process.
SECTION 4 - INSTRUCTIONS TO CONTRACTORS

Pre-Proposal Conference & Site Review

A pre-proposal conference and site review will convene on Wednesday, May 8th, 2019 at 8:00 a.m. at the Renton Regional Fire Authority, Station 13, 18002 108th Ave SE, Kent, WA 98055 and will proceed to all project sites. Prospective Proposers are strongly encouraged to attend.

Submission of Proposals

Two (2) copies of the Proposal, and other documents required to be submitted with the proposal, shall be enclosed in a sealed envelope. The envelope shall be addressed to Renton Regional Fire Authority, 18002 108th Avenue SE, Renton, WA 98055 and shall be identified with the project name, “SEALED PROPOSAL HVAC, BACKFLOW/PLUMBING, FIRE SPRINKLER/ALARM/MONITORING, and GENERATOR MAINTENANCE AND REPAIR SERVICES ENCLOSED”, and the Contractor’s name and address.

Proposals shall be deposited at the designated location on or before Friday, May 17th, 2019 prior to 11:00 a.m. Proposals received after the time and date of receipt of Proposals will be returned unopened.

Considerations of Proposals

The RFA reserves the right to reject any or all Proposals, reject a Proposal not accompanied by required documents, or reject a Proposal which is in any way incomplete or irregular.

The RFA shall have the right to waive informalities or irregularities in a Proposal received and to accept the Proposal which, in the RFA’s judgment, is in the RFA’s best interest.

The RFA reserves the right to request clarification of information submitted and to request additional information from any proposer.

Any proposal may be withdrawn up to and until the date and time set above for receiving proposals (Friday, May 17th 2019, 11:00 a.m.). Any proposal not so timely withdrawn shall constitute an irrevocable offer, for a period of ninety (90) days to contract with the RRFA for services described in the attached specifications, or until one of more of the proposals have been approved by the RFA, whichever occurs first.

The hourly wages to be paid to laborers, workers, or other occupations under this contract agreement shall not be less than the prevailing rate of wage for an hour’s work in the same trade or occupation and shall be in accordance with the provisions of Chapter 39.12 RCW.

The RFA shall not be responsible for any costs incurred by the Contractor in preparing, submitting, or presenting its proposal/response to this Request for Proposal (RFP).

The RFA reserves the right to award the contract to the next most qualified Contractor, if the successful Contractor does not execute a contract within thirty (30) days after the award of the contract. It is expected that the date of commencement for the contract will be January 1, 2020 and continue for five (5) years, subject to termination provisions set forth in the contract, and also subject to available funding in any one of the five (5) years. The contract will also include an option to renew for up to an additional three (3) years.
Selection Criteria

The following criteria will be used in evaluating each proposal:

Cost of services 40%
Responsiveness of the Contractor’s proposal 20%
Past performance/references 40%
Total Criteria Weight 100%

The individual criteria will include the following:

Cost of services (Exhibit F): The RFA is seeking an economical solution. The RFA reserves the right to award a single contract for all sites.

Responsiveness of the Contractor’s proposal: In addition to the Proposal Form, the Contractor will provide all the information required in Exhibit B.

Past performance/references: The RFA will contact the references supplied by the Contractor and will rate this criteria based on the references received.

The selection criteria above are based on obtaining the best value for the RFA. Each proposal will be independently evaluated by a committee comprised of representatives of the RFA. The committee will use the evaluation criteria above to rank the proposing firms.

The RFA may interview Contractor(s) within three (3) weeks after the submittal deadline.
SECTION 5 - INFORMATION TO BE SUBMITTED WITH PROPOSAL

Each Contractor shall fully complete the Statement of Qualifications set forth as Exhibit B. An incomplete or inaccurate response may prevent the Contractor from further consideration for the services described in this Request for Proposal (RFP).

List of Subcontractors & Scope

List all subcontractors and the work to be subcontracted to them. HVAC, Plumbing, Generator, Fire Monitoring, Fire Sprinkler, Fire Extinguisher Maintenance, Fire Alarming. All sub-contractors are subject to requirements set forth in RCW 39.30.060. One section of the proposal submitted should be dedicated to subcontractor explanations of service & scope (Exhibit B).

Contractor’s Rates

Provide standard cost per task and schedule of monthly expenses for services requested in this proposal (Exhibit F). This will serve as the basis of monthly payments and for any additional services requested on a temporary, one-time change upon completion of a Change Order.

Permanent changes to the Scope of Work will be made by a Change Order.

Describe the Contractor’s on-call and emergency response procedures to deal with emergency requests. Provide a list of hourly rates for emergency services and any minimum call-out hours.

Service Response Times

Contractor shall indicate minimum response times for callouts to each worksite. A minimum response time of 2 hours is required.

Other Information/Questions

Has the Contractor ever been terminated, replaced, or failed to complete work awarded under a contract? If so, name the client and describe the circumstances.

Has the Contractor ever been named as a defendant in any litigation brought on by a client as a result of a contract? If so, describe the circumstances fully.

Safety

Provide company incident rate for 2018 as well as a statement about company safety protocols.

Combined Affidavit, Certification Form, & Wage Certification Form

Contractor shall sign and submit the Combined Affidavit and Certification Form supplied in Exhibit D & G.
SECTION 6 - SCOPE OF WORK FOR HVAC, BACKFLOW/PLUMBING, FIRE SPRINKLER/ALARM/MONITORING, AND GENERATOR PREVENTATIVE MAINTENANCE & REPAIR SERVICES

The number in the maintenance schedule is a minimum; HOWEVER, some areas may need to be done more frequently to assure that the task is maintained.

Service Locations

1. Station 11, 211 Mill Ave S
2. Station 12, 1209 Kirkland Ave NE
3. Station 13, 18002 108th Ave SE
4. Fleet Shop, 18006 108th Ave SE
5. Station 14, 1900 Lind Ave SW
6. Station 15, 1404 N 30th St
7. Station 16, 12923 156th Ave SE
8. Station 17, 14810 SE Petrovitsky Rd

Time Performance

The Contractor shall follow a recurring schedule as set forth in a HVAC, Backflow/Plumbing, Fire Sprinkler/Alarm/Monitoring, and Generator Preventative Maintenance & Repair Services schedule, (Section 7). The Contractor shall provide a daily location of work schedule prior to beginning of work and updated as the schedule may change.

Invoice

The Contractor will submit a detailed quarterly invoices, together with maintenance. All invoices shall describe the task completed and the corresponding amount for that task. All invoices submitted in less detailed forms will be returned for correction. Payments may be delayed until the invoice has been submitted in the proper form. No interest on the payment will be due from the RRFA for invoices not in the proper form.
General Scope of HVAC, Backflow/Plumbing, Fire Sprinkler/Alarm/Monitoring, Fire Extinguisher and Generator Preventative Maintenance / Major Inspection & Repair Services Work Includes But Not Limited To:

**Backflows testing tasking - 1x annually**

*Performance*
- Test and calibrate
- Check valve operation with test set

*Inspection*
- Check for dirt or debris
- Check for damage
- Check for worn or loose disc
- Check for worn or loose guide assembly
- Check for corrosion build-up

*General Maintenance*
- Check for leaks under pressure
- Bleed air from backflow preventer

*Documentation*
- File report with water purveyor

**Fire Sprinkler tasking - 1x annually** *(Reports available upon request)*

*Testing*
- Two-inch main drain-test
- Record City water pressure
- Test control valve supervisory switches
- Inspect alarm devices on sprinkler system
- Test waterflow alarms and gongs

*Safeties*
- Inspect gauges
- Inspect hydraulic nameplate
- Check sprinkler system for proper signage

*Valves*
- Inspect and test control valves
- Lubricate stems of OS&Y valve if necessary
- Inspect exterior of alarm valves

*Piping/Heads*
- Inspect visible hangers and seismic bracing
- Inspect visible sprinklers
- Inspect Fire Department connections

- Inspect all standpipe components

*Reporting*
- Notify authorities prior to testing any alarm system
- Report deficiencies to customer
- Send reports of inspection to customer
- Send reports to Fire Department if requested

**Fire Alarm System tasking - 1x annually** *(Reports available upon request)*

*Site Visit Baseline*
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

*Panels*
- Test and inspection of control panel
- Test and inspection of NAC panel

*Devices*
- Test and inspection of smoke detectors
- Test and inspection of heat detectors
- Test and inspection of duct detectors
- Test and inspection of pull stations
- Test and inspection of horns
- Test and inspection of strobos

*Switches*
- Test and inspect flow and tamper switches
- Test auxiliary outputs - elevator recall
- Test auxiliary outputs - door holders

*Peripherals*
- Check speakers
- Check back-up batteries

*Documentation*
- Verify signals send to central station
Fire Alarm Monitoring tasking - 24/7/365
(Reports available upon request)

Site Visit Baseline
• Check-in with site contact person
• Check for safe equipment access
• Isolate equipment & lock out
• Document work done during inspection
• Check out with site contact
• Test phone lines
• Verify signals sent to central station
• Check back-up batteries
• Check primary power
• Verify 24-hour auto test
• Review data in central station
• Test each zone in transmitter
• Review monitoring information with customer

Fire Extinguisher tasking - 1x annually
(Total number of extinguishers unavailable at this time, count on job walk)

Site Visit Baseline
• Check manufacturing date
• Verify weight of cylinder
• Inspect handle for free movement
• Check pull pin for free movement
• Install “bullseye” seal
• Check gauge
• Examine hose/nozzle for obstructions
• Check valve stem for powder
• Loosen powder if applicable
• Inspect cylinder for corrosion
• Check nameplate for legibility
• Tag and explain inspection
• Explain how to use extinguisher
• Check bracket mounting
• Make report of deficiencies and quote to correct
• Review paperwork with Owners’ Rep

Generators - 2x annually

Engine - Battery System
• Check Battery Electrolyte Level
• Check Battery Connections & Terminals
• Check Battery Age
• Load test batteries and document

Engine - Lubricating System
• Check for leaks
• Check Oil Levels
• Check Engine Oil pressure and document
• Change Engine Oil, Oil Filters
• For all MTU Series 4000 Engines Prelube Oil Filters using the X4 Harness
• Take Oil Sample

Engine Cooling System
• Check for leaks
• Cooling System Type
• Check Coolant level & freeze point, document
• Check coolant condition and document
• Check radiator hose connection & connections and document
• Check coolant heater operation
• Check Radiator cap
• Check Operating water temperature
• Pressure test cooling system
• Change coolant filters

Engine - Fuel System
• Check for leaks
• Fuel System type
• Check fuel level, and document
• Check fuel lines & connections
• Change fuel filters
• Change water separator filters
• Take fuel sample
• Check governor control linkage
• Check fuel tank condition, rust, corrosion

Engine - Fuel System - Day Tank
• Check day tank for leaks
• Check day tank fuel level
• Check day tank fuel lines & connections
• Change day tank fuel supply filters
• Check day tank fuel transfer pump for leaks and operation

**Engine - Electrical System**
• Check battery charger, document volts
• Check engine alternator, document volts
• Check spark plugs, plug wires, points, cond, cap & rotor
• Check engine safety controls & alarms on Non ECM based engines

**Engine - Related Systems**
• Check for vibration & metal cracks
• Check engine mounting hardware
• Check engine for signs of excessive heat or other irregularities

**Engine - Exhaust System**
• Check for leaks
• Check exhaust condition (i.e. flex, pipe, silencer, hangers, rain cap, etc.)

**Main Generator**
• Visual inspection of windings for damage or debris
• Check air inlet & outlet restrictions
• Check output circuit breaker for loose or unsatisfactory lug connections

**Transfer Switch**
• Visually check all connections for signs of heat or other problems
• ATS system tested
• Document AC Meter readings & frequency

**After-run Checks**
• Switch on the generator is in “AUTO” & circuit breakers are closed
• Power generation system is operational at time of inspection
• Provide written status report to Facilities Manager including any recommended repairs with costs identified

**Gas Heat Large**

**Site Visit Baseline**
• Check-in with Facilities contact
• Check for safe equipment access
• Isolate equipment & lock out
• Document work done during inspection
• Check out with site contact

**Operational Overview**
Note current outside air temperature
• Note current weather conditions
• Check heating/cooling operation
• Check/Record supply air temperature
• Check/Record return air temperature
• Check/Record system static pressure
• Note any abnormal vibration or noise

**Compressors**
• Note cleanliness/condition
• Record suction pressure
• Record suction temperature
• Record discharge pressure
• Record discharge temperature
• Record operating voltage
• Record operating amps
• Check crankcase heater
• Check unloaders
• Check for refrigerant/oil leaks
• Check crankcase oil level
• Meg ohm readings compressor windings
• Check crankcase heater volts and amps

**Condenser Fan Section**
• Inspect bearings for excessive wear & end play, tighten set screws
• Adjust pulleys & belts
• Number & size of belts
• Record operating volts
• Record operating amps
• Inspect fan blade and tighten set screws
• Verify proper operation of fans
• Lubricate fan and motor
• Inspect mounting brackets

**Exhaust Fan Section**
• Inspect bearings for excessive wear & end play, tighten set screws
• Adjust pulleys & belts
• Number & size of belts
• Record operating volts
• Record operating amps
• Inspect fan blade
• Verify proper operation of fans
• Lubricate fan and motor

**Outdoor Coils**
• Note cleanliness of coil
• Record deltaP across coil
• Record deltaT across coil
• Check for refrigerant leaks
• Check coil pan and drain (if applicable)
Indoor Coils
• Note cleanliness of coil
• Record deltaP across coil
• Record deltaT across coil
• Check for refrigerant leaks
• Check condensate pan and drain

Filter Section
• Note filter condition
• Change filters per schedule
• Note condition of outside air filters/screens

Refrigeration System
• Record superheat
• Record sub cooling
• Verify reversing valve operation
• Verify metering devise operation
• Check cap tube condition
• Check for refrigerant/oil leaks
• Verify hot gas bypass operation
• Check sightglass

Heating Section (Gas)
• Inspect heat exchanger
• Inspect burner section
• Record gas pressures
• Check pilot and flam quality
• Verify combustion blower operation
• Record combustion blower motor amps
• Check Delta T across heat exchanger

Humidification
• Check canister
• Record amperage
• Check drain and fill valve
• Check condition of hoses
• Check heating element (electric)

Return Fan Section
• Check electric probe (electric)

Controls
• Check and tighten all terminations in control panel
• Exercise controls
• Check VFD
• Check safeties and trip points
• Check ambient controls

Economizer Section
• Check for dirt accumulation
• Check damper actuator and linkage operations
• Check and adjust minimum position
• Check operation of pressure relief dampers
• Confirm enthalpy switch operation

Supply Fan Section
• Inspect bearings for excessive wear & end play, tighten set screws
• Adjust pulleys & belts
• Number & size of belts
• Record operating volts
• Record operating amps
• Inspect fan blade
• Verify proper operation of fans
• Lubricate fan and motor
Heat Pump Air Handler (Air to Air)
Site Visit Baseline
- Check-in with Facilities contact
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

Operational Overview
- Note current outside air temperature
- Note current weather conditions
- Check heating/cooling operation
- Check/Record supply air temperature
- Check/Record return air temperature
- Note any abnormal vibration or noise

Refrigeration System
- Check for refrigerant/oil leaks
- Check sightglass

Controls
- Check and tighten all terminations in control panel
- Exercise controls
- Check safeties and trip points

Supply Fan Section
- Inspect bearings for excessive wear & end play, tighten set screws
- Adjust pulleys & belts
- Number & size of belts
- Record operating volts
- Record operating amps
- Inspect fan blade
- Verify proper operation of fans
- Lubricate fan and motor

Indoor Coils
- Note cleanliness of coil
- Record deltaP across coil
- Record deltaT across coil
- Check for refrigerant leaks
- Check condensate pan and drain

Filter Section
- Note filter condition
- Change filters per schedule
- Note condition of outside air filters/screens

Heating Section (Electric)
- Inspect controls and sequencer operations
- Check voltage
- Check overload and safeties

General Maintenance
- Check for corrosion

Housekeeping
- Wipe off any excess lubricates
- Cleanup work area

VAV Fan Powered
Site Visit Baseline
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

Operational Inspection
- Verity operation

Operational Overview
- Check/Record supply air temperature
- Note any abnormal vibration or noise

Supply Fan Section
- Inspect bearings for excessive wear and end play
- Adjust pulleys and belts
- Number and size of belts
- Record operating volts
- Record operating amps
- Inspect fan blade
- Verify proper operation of fans
- Lubricate fan and motor

Controls
- Check all terminations in control panel
- Exercise controls
- Check safeties and trip points

Controls
- Note filter condition
- Change filters per schedule

Hot Water Unit Heater
Site Visit Baseline
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

Operational Overview
- Verify overall operation
- Check heating operation
- Note any abnormal vibration or noise

Hot Water Coils
- Note cleanliness of coil
- Record deltaP across coil
- Record deltaT across coils

Safeties
- Check for loose or burnt wiring
- Check trip all trip points

Housekeeping
- Wipe off any excess lubricates
- Cleanup work area

Controls
- Check all terminations in control panels
- Exercise controls

General Maintenance
- Check for corrosion

Pump Circulation

Site Visit Baseline
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

Operational Inspection
- Verify operation
- Note any abnormal vibration or noise

Performance
- Record pump discharge pressure
- Record pump suction pressure

Safeties
- Check for loose or burned wiring
- Check trip all trip points

Electrical
- Check electrical contacts for wear & pitting
- Check starter contactors
- Check and tighten electrical connections

Controls
- Check all terminations in control panels
- Exercise controls

Lubrication
- Lubricate motor bearings
- Lubricate solid coupling
- Check pump oil level

General Maintenance
- Check isolation valve packing
- Check isolation valves for leaks

Drive Motors
- Check for dirt & debris around end bell
- Check motor fan
- Check all hold down bolts
- Megger, motor and record results
- Record motor amperages
- Record motor voltages

Drive Components
- Check coupling guard security
- Check coupling alignment

Pump
- Check packing or mechanical seals for leaks
- Repack if required
- Inspect gaskets for leaks & deterioration
- Check all hold down bolts
- Check impeller clearance

Expansion Tank

Site Visit Baseline
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

Operational Overview
- Check and record precharge pressure
- Check and record system pressure prior to expansion tank
- Check and record system pressure after expansion tank
- Record fluid temperature

Air Separator
• Check air separator for leakage
• Check separator drain valve
• Check air eliminator for proper operation

**Mechanical**
• Check isolation valve for leaks
• Check isolation valve for proper operation
• Check strainer for debris

**Optional Tasks**
• Release air, drain expansion tank, remove flange and dip tube and check for interior corrosion
• Recharge tank pressure

*Note: Do not remove drain plug unless air pressure in tank has been bled to 0 psig. Do not remove blind flange or system connection until tank has been bled to 0 psig.

**Chiller Scroll - Air Cooled**

**Site Visit Baseline**
• Check-in with site contact person
• Check for safe equipment access
• Isolate equipment & lock out
• Document work done during inspection
• Check out with site contact

**Operational Inspection**
• Verify operation
• Document performance & deficiencies

**Performance**
• Record run time and start counts
• Check and record evaporator pressure
• Check and record evaporator water temps.
• Check and record chilled water temps.
• Check refrigerant charge
• Check and record superheat/subcooling
• Check and record condenser pressure
• Check and record condenser temperatures
• Check dry eye and record color

**Safeties**
• Check pressure switches for leaks
• Check pressure relief valves

**Electrical**
• Check for loose or burnt wiring
• Check all contacts for wear or pitting
• Check starter contacts
• Check all electrical connections
• Check amperages and voltages

**Controls**
• Check all terminations in control panels
• Exercise controls
• Check cabinets for debris

**Drive Motors**
• Check all hold down bolts
• Check end belts for dirt or debris
• Check motor fan

**Drive Components**
• Check sheaves for wear and alignment
• Check long coupling alignment
• Lube coupling as needed
• Check coupling for looseness or wear
• Check drive belt for wear

**Condenser and Fans**
• Check for vibration
• Check fan blades for cracks
• Check fan clearance
• Check mounting bolts
• Check coils for dirt build up
• Inspect coils for leaks
• Lubricate fan motor as required
• Check for proper fan rotation
• Check bearing, collar, sheave, and pulley
• Check air intake
• Check for cleanliness

**Evaporator**
• Check for leaks
• Check expansion valve

**Compressor**
• Check and record oil pressure
• Check and record oil level
• Check for leaks
• Check starter/contactor for wear and pitting
• Check amperage for wear and pitting
• Check crankcase heater operation
• Inspect siteglass for leaks

**Lubrication**
• Lube motor bearings as required
• Lube motor bearings
• Check and record oil pump volts/amps
• Megger oil pumps and record

**Housekeeping**
• Wipe off excess lubricants
• Clean up work area
**Optional Tasks**
- Calibrate system pressure gauges
- Calibrate system electrical gauges
- Clean coils
- Check internal interlocks
- Open and inspect evaporator tubes
- Change oil based on analysis
- Open and inspect condenser tubes
- Brush condenser tubes

**Air Comp Recip Oil Flooded**

*Site Visit Baseline*
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

**Performance**
- Check operating voltage
- Check and record motor amps
- Megger motor and record results
- Check system pressures
- Record 1st stage pressure
- Record 2nd stage pressure

**Condition Monitoring**
- Note abnormal vibration or noises

**Safeties**
- Check for loose or burned wiring
- Check safety trip points
- Calibrate safety devices
- Operate safety relief valves

**Electrical**
- Check electrical contacts for wear and pitting
- Check starter contactors
- Check and tighten electrical connections

**Drive Motors**
- Check for dirt and debris around end bell
- Check motor fan
- Check all hold down bolts
- Check mounting brackets

**Drive Components**
- Check coupling guard for security
- Check alignment
- Check coupling wear

**Compressor**
- Check hold down bolts
- Check unloader operation
- Check for leaks
- Check oil differential pressure
- Record discharge temperature

**Air System**
- Remove and replace intake air filter
- Inspect intake and discharge valves
- Drain and remove moisture from air system
- Inspect aftercooler
- Inspect intercooler
- Inspect moisture trap and drain

**Lubrication**
- Lubricate motor bearings
- Lubricate solid coupling
- Remove and replace oil filter

**General Maintenance**
- Check gate valve packing
- Check gate valves for leaks
- Check for corrosion

**Air Dryer - Refrigerated**

*Site Visit Baseline*
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

**Heat Exchanger**
- Inspect and brush as needed

**Compressor**
- Note cleanliness/condition
- Record suction pressure
- Record suction temperature
- Record discharge pressure
- Record discharge temperature
- Record operating voltage
- Record operating amps
- Check for refrigerant/oil leaks
- Check crankcase oil level
- Meg ohm readings compressor windings

**Condenser Fan Section**
- Record operating volts
- Record operating amps
- Inspect fan blade
- Verify proper operation of fans
- Lubricate and motor
**Operation Log**
- Record inlet air temperature
- Record outlet air temperature
- Record high temperature alarms
- Record low temperature alarms
- Record refrigerant pressure cut out alarms
- Record inlet pressure
- Record outlet pressure
- Operate and inspect condensate drain valves

**Electrical**
- Check electrical contacts for wear and pitting
- Check starter contactors
- Check and tighten electrical connections

**Fuel Oil Storage Tank**
**Site Visit Baseline**
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

**Operational Overview**
- Inspect tank for corrosion
- Inspect floating tank roof, lifter or cone
- Inspect automatic float gauge
- Inspect fuel tank fire protection devices
- Inspect berms around fuel storage tank for erosion
- Inspect non-freeze draw valves
- Inspect storage tank vacuum and pressure vents
- Inspect vapor recovery line for deterioration
- Run pump and check operation
- Calibrate and adjust fuel oil pressure
- Inspect fuel strainer and clean as needed
- Inspect tank electrical grounds for breaks
- Inspect tank electrical grounds for loose fittings
- Inspect liquid level gauge for proper operation
- Check actual level against liquid level gauge

**Water Heater - Gas**
**Site Visit Baseline**
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment & lock out
- Document work done during inspection
- Check out with site contact

**Operational Inspection**
- Verify overall operation

**Performance**
- Drain several gallons from tank to remove sediment
- Check water temperature

**Safeties**
- Check for loose or burnt wiring
- Check trip all trip points

**Electrical**
- Check electrical contacts for wear & pitting
- Check and tighten electrical connections

**Burner**
- Check ignition system
- Check burners
- Check flame quality
- Check for CO traces
- Check flu

**Thermostat**
- Check operation with amp meter

**Pressure Relief Valve**
- Check valve operation
- Check for leaks
- Check for corrosion

**General Maintenance**
- Check for water leaks
- Check for corrosion

**Optional Tasks**
- Check sacrificial anode
- Check pressure relief valve

**Make Up Aire Unit Direct Fired - Gas**
**Site Visit Baseline**
- Check-in with site contact person
- Check for safe equipment access
- Isolate equipment and lock out
- Document work done during inspection
- Check out with site contact

**Operational Overview**
- Note current outside air temp and weather conditions
- Verify overall operation
- Check/Record supply air temperature
• Note any abnormal vibration or noise

**Controls**
• Check all terminations in control panel
• Exercise controls
• Check VFD
• Check safeties and trip points
• Check ambient controls

**Economizer Section**
• Check for dirt accumulation
• Check damper actuator and linkage operation
• Check and adjust minimum position
• Check operation of pressure relief dampers

**Supply Fan Section**
• Inspect bearings for excessive wear and end play
• Adjust pulleys and belts
• Number and size of belts
• Record operating volts
• Record operating amps
• Inspect fan blade
• Verify proper operation of fans
• Lubricate fan and motor

**Exhaust Fan Section**
• Inspect bearings for excessive wear and end play
• Adjust pulleys and belts
• Number and size of belts
• Record operating volts
• Record operating amps
• Inspect fan blade
• Verify proper operation of fans
• Lubricate fan and motor

**Filter Section**
• Note filter condition
• Change filters per schedule
• Note condition of outside air filters/screens

**Heating Section (Gas)**
• Inspect heat exchanger
• Inspect burner section
• Record gas pressures
• Check pilot and flame quality
• Verify combustion blower operation
• Record combustion blower motor amps
• Check Delta T across heat exchanger

***ANY REPLACEMENT/PARTS WORK BEYOND MAINTENANCE SCOPE DETAILS WILL NEED APPROVAL FROM FACILITIES MANAGER.
# SECTION 7 - SITE LOCATIONS, EQUIPMENT LIST & FREQUENCY

**Site 1:** Station 11, 211 Mill Avenue South, Renton, WA

<table>
<thead>
<tr>
<th>N/A</th>
<th>AC Unit</th>
<th>Roof</th>
<th>Make</th>
<th>Model</th>
<th>Capacity</th>
<th>Frequency</th>
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<td>AC Unit</td>
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<td>Trane</td>
<td>33816EE4F</td>
<td>2TWR2030B1000AA</td>
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<td>Lennox</td>
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<td>Upstairs Storage</td>
<td>Markel</td>
<td>FIF 1502</td>
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<td>Kitchen</td>
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<td>A.O Smith</td>
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Backflows Equipment List:

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<th>Fire Protection</th>
<th>West side of truck bay</th>
<th>Ames</th>
<th>Model: 200BM3</th>
<th>Serial No: 12082</th>
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<td>Ames</td>
<td>Model: Colt 300-BF</td>
<td>Serial No: HL2448</td>
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Generator Equipment List:

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<tr>
<th></th>
<th>Generator</th>
<th>South Parking Lot</th>
<th>Kohler</th>
<th>30ROZ81/SN.223108</th>
<th>30kw / 3 gal/hr</th>
<th>80 gal capacity 27 hr run time</th>
<th>2XY (One annual, and one 6mo check)</th>
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<tbody>
<tr>
<td>AC-1</td>
<td>AC Unit</td>
<td>IT Room</td>
<td>Manufacturer</td>
<td>Model</td>
<td>Capacity</td>
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<td>N/A</td>
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<td>Mechanical Room</td>
<td>General Air</td>
<td>OL215-MD96540 OL21533AC</td>
<td>1/3 HP, 50 PSI</td>
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<td>Ingersoll-Rand</td>
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<th>Bay Area</th>
<th>REZNOR</th>
<th>UDAS-125</th>
<th>1/20 HP, 100,000 Btu/Hr</th>
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<th>Near medical supply room</th>
<th>REZNOR</th>
<th>UDAS-125</th>
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<th>1XY</th>
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<th>Kitchen</th>
<th>DTQS</th>
<th>1/4 HP, 1000 CFM, 14 MBH</th>
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<th>Mechanical Room</th>
<th>A.O Smith</th>
<th>LF03-2507442-970</th>
<th>BTH 250A 970</th>
<th>100 Gallons, 240,000 Btu/Hr</th>
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<th>Kitchen</th>
<th>Insinkerator</th>
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<th>E340 SST</th>
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### Backflows Equipment List:

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<th>Model</th>
<th>Serial No</th>
<th>Size</th>
<th>Part</th>
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<tr>
<td>NA</td>
<td>Boiler Make up</td>
<td>Mechanical Room over truck bay</td>
<td>Wilkins</td>
<td>975XL</td>
<td>110997</td>
<td>3/4&quot;</td>
<td>1XY</td>
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<tr>
<td>NA</td>
<td>Fire Prevention</td>
<td>Riser Room in SW corner of building</td>
<td>Wilkins</td>
<td>950XL</td>
<td>2066212</td>
<td>3/4&quot;</td>
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<tr>
<td>NA</td>
<td>Boiler make up</td>
<td>Riser room in SW corner of building</td>
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### Generator Equipment List:

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<th>Capacity</th>
<th>Run Time</th>
<th>Part</th>
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<tr>
<td>NA</td>
<td>Generator</td>
<td>South Parking lot entry</td>
<td>Katolight</td>
<td>D415FR54/UN.WA535285</td>
<td>415kw / 30 gal/hr</td>
<td>2200 gal capacity 73 hr run time</td>
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<td>N/A</td>
<td>Condensing Unit</td>
<td>Roof</td>
<td>Mitsubishi</td>
<td>6004427</td>
<td>MU-A09WA</td>
<td>3/4 Ton</td>
<td>4XY</td>
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<td>AC Unit</td>
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<td>General Air</td>
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<td>2 Tons</td>
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<td>Sub-building</td>
<td>General Air</td>
<td>OL110-07 05 05 52</td>
<td>OL11016ACT</td>
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<td>DH 7-1</td>
<td>Duct Heater</td>
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<td>SPB-12</td>
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<td>In mechanical room</td>
<td>AO Smith</td>
<td>GPDT 50 100</td>
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<td>CU</td>
<td>Condensing Unit HP</td>
<td>Outside on right side of bldg</td>
<td>Trane</td>
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<td>5283UAX1F</td>
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<td>GPDT 50 100</td>
<td>1XY</td>
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</table>

**Backflows Equipment List:**

| NA | Domestic | Storage room on east side of bay | Watts | Model: 009 | Serial No: 26767 | 2 1/2" | 1XY |
| NA | Fire Protection | Vault in planter, west side of property | Wilkins | Model: 350ADA | Serial No: V09445 | 6" | 1XY |
| NA | Fire Protection | Vault in planter, west side of property | Wilkins | Model: 950XLD | Serial No: 2392034 | 3/4" | 1XY |
| NA | Domestic | Storage room on south side of bay in Fleet shop | Watts | Model: 009M2QT | Serial No: A07169 | 2" | 1XY |
| NA | Fire Protection | Vault in rear parking area by Fleet shop | Wilkins | Model: 350ADA | Serial No: v09363 | 6" | 1XY |
| NA | Fire Protection | Vault in rear parking area by Fleet shop | Wilkins | Model: 950XLD | Serial No: 2392170 | 3/4" | 1XY |

**Generator Equipment List:**

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<tr>
<th>NA</th>
<th>Generator</th>
<th>South Parking Lot</th>
<th>Kohler</th>
<th>180REOZJC/SN.2137522</th>
<th>180kw / 13 gal/hr</th>
<th>500 gal capacity 15 hr run time</th>
<th>2XY (One Annual, one 6mo check)</th>
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<tr>
<td>N/A</td>
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<td>Carrier</td>
<td>0497E63707</td>
<td>52SQC314301AA</td>
<td>1.5 Tons</td>
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<td>Outside</td>
<td>Carrier</td>
<td>3313X92614</td>
<td>38HDR036510</td>
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<td>Outside</td>
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<td>24AHA436A500</td>
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<td>Air Compressor</td>
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<td>ProAir</td>
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<td>Bay</td>
<td>Cook</td>
<td>SPB36</td>
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<td>98329815-1-1</td>
<td>24Z563-SV40-1540-1.5</td>
<td>1.5 HP, 50,000 CFM</td>
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<td>1/2 HP, 1000 CFM</td>
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<td>10515D</td>
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<td>Compressor Room</td>
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<td>SWD 18S10D</td>
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<td>Make Up Air Unit</td>
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<td>REZNOR</td>
<td>SCE-125</td>
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<td>Manufacturer</td>
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<td>A.O Smith</td>
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<td>A.O Smith</td>
<td>100 Gallons, 140,000 Btu/Hr</td>
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<td>A.O Smith</td>
<td>100 Gallons, 199,900 Btu/Hr</td>
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**Backflows Equipment List:**

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<th>Diameter</th>
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<td>Vault in front of Training in SW Corner</td>
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**Generator Equipment List:**

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<th>Location</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Serial No</th>
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<td>Generac</td>
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<td>230 gal capacity</td>
<td>33 hr run time</td>
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## Site 6: Station 15, 12923 156th Avenue SE, Renton, WA

<table>
<thead>
<tr>
<th>WH-01</th>
<th>Water Heater</th>
<th>Rheem</th>
<th>GHE100SU-200A</th>
<th>A271800225</th>
<th>Mezz Area</th>
<th>1XY</th>
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<tbody>
<tr>
<td>AC-01</td>
<td>Air Compressor</td>
<td>Ingersoll Rand</td>
<td>2475</td>
<td>NAR10292602</td>
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<tr>
<td>AD-01</td>
<td>Air Dryer</td>
<td>Ingersoll Rand</td>
<td>D42IN</td>
<td>18M-016909</td>
<td>Mezz Area</td>
<td>1XY</td>
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<tr>
<td>HP CU - 01</td>
<td>Heat Pump Condensing Unit</td>
<td>Daikin</td>
<td>RXL15QMVJU</td>
<td>G007851</td>
<td>Rooftop</td>
<td>4XY</td>
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<tr>
<td>HP-1</td>
<td>Outdoor Heat Pump</td>
<td>Daikin</td>
<td>REYQ96TTJU</td>
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<td>Field Verify</td>
<td>Mech Enclosure</td>
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<tr>
<td>AHU-01</td>
<td>Air Handler Unit Multi Zone</td>
<td>Daikin</td>
<td>DPS004AHHE2DW-4</td>
<td>FBOU180901283</td>
<td>Rooftop</td>
<td>4XY (7) 16x16x2 Filter</td>
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<td>Indoor 01</td>
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<tr>
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<tr>
<td>Indoor 04</td>
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<td>Field Verify</td>
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<td>Indoor 05</td>
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<td>Field Verify</td>
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<td>Indoor 06</td>
<td>Indoor Air Handler Unit</td>
<td>Daikin</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>Field Verify</td>
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<tr>
<td>Indoor 07</td>
<td>Indoor Air Handler Unit</td>
<td>Daikin</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>Field Verify</td>
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<tr>
<td>Indoor 08</td>
<td>Indoor Air Handler Unit</td>
<td>Daikin</td>
<td>Field Verify</td>
<td>Field Verify</td>
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<td>Indoor 09</td>
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<td>Field Verify</td>
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<tr>
<td>Indoor 10</td>
<td>Indoor Air Handler Unit</td>
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<td>Field Verify</td>
<td>Field Verify</td>
<td>Field Verify</td>
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<tr>
<td>Indoor 11</td>
<td>Indoor Air Handler Unit</td>
<td>Daikin</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>Inside Fire Dept</td>
</tr>
<tr>
<td>Indoor 12</td>
<td>Indoor Air Handler Unit</td>
<td>Daikin</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>Inside Fire Dept</td>
</tr>
<tr>
<td>Gas Furnace</td>
<td>Trane</td>
<td></td>
<td></td>
<td></td>
<td>Field Verify</td>
<td>127</td>
</tr>
<tr>
<td></td>
<td>Gas Fired Radiant Heater</td>
<td>RE-Verber-Ray</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>App Bay</td>
<td>1XY</td>
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<tr>
<td>IRH-1</td>
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<td>IRH-2</td>
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<tr>
<td>H-01</td>
<td>Heater</td>
<td>IRH1</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>In Fire Dept Truck Bay</td>
<td>1XY</td>
</tr>
<tr>
<td>H-02</td>
<td>Heater</td>
<td>IRH1</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>In Fire Dept Truck Bay</td>
<td>1XY</td>
</tr>
<tr>
<td>UH-01</td>
<td>Heater</td>
<td>Reznor Heater</td>
<td>Field Verify</td>
<td>Field Verify</td>
<td>In Fire Dept Truck Bay Fire Gear Area</td>
<td>1XY</td>
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Backflows Equipment List:

<table>
<thead>
<tr>
<th></th>
<th>Irrigation</th>
<th>By hose bib</th>
<th>Watts</th>
<th>Model: LF007M3QT</th>
<th>Serial No: 099257</th>
<th>3/4&quot;</th>
<th>1XY</th>
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</thead>
<tbody>
<tr>
<td>NA</td>
<td>Irrigation</td>
<td>Right side of entry drive @ meter</td>
<td>Wilkins</td>
<td>Model: 950XLT2</td>
<td>Serial No: 4631855</td>
<td>1 1/2&quot;</td>
<td>1XY</td>
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<tr>
<td>NA</td>
<td>Bypass</td>
<td>Mechanical Room</td>
<td>Ames</td>
<td>Model: DCLF4H</td>
<td>Serial No: 932347</td>
<td>1/2&quot;</td>
<td>1XY</td>
</tr>
<tr>
<td>NA</td>
<td>Fire Service</td>
<td>Mechanical Room</td>
<td>Ames</td>
<td>Model: DCDALF4A</td>
<td>Serial No: 70009</td>
<td>4&quot;</td>
<td>1XY</td>
</tr>
<tr>
<td>NA</td>
<td>Domestic</td>
<td>Mechanical Room, east side of bldg.</td>
<td>Watts</td>
<td>Model: LF009M2QT</td>
<td>Serial No: 118468</td>
<td>2&quot;</td>
<td>1XY</td>
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</table>

Generator Equipment List:

<table>
<thead>
<tr>
<th></th>
<th>Generator</th>
<th>NE corner behind station</th>
<th>Kohler</th>
<th>Model: 125REOZJG SN.1017330053/000104</th>
<th>TBD</th>
<th>725 gal capacity Run time, TBD</th>
<th>2XY (One annual, one 6mo check)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>Generator</td>
<td>NE corner behind station</td>
<td>Kohler</td>
<td>Model: 125REOZJG SN.1017330053/000104</td>
<td>TBD</td>
<td>725 gal capacity Run time, TBD</td>
<td>2XY (One annual, one 6mo check)</td>
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</table>
Site 7: Station 16, 12923 156th Avenue SE, Renton, WA

<table>
<thead>
<tr>
<th>N/A</th>
<th>AC Unit</th>
<th>IT Room</th>
<th>1.5 Tons</th>
<th>4XY</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>Air Compressor</td>
<td>Tool Room</td>
<td>2 HP, 200 PSI</td>
<td>1XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Automatic Transfer Switch</td>
<td>Tool Room</td>
<td>104A, 240V</td>
<td>1XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Cincinnati Fan</td>
<td>5 HP, 4600 CFM</td>
</tr>
<tr>
<td>N/A</td>
<td>Expansion Tank</td>
<td>Tool Room</td>
<td>ST-12</td>
<td>4 XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Expansion Tank</td>
<td>Washer/Dryer Room</td>
<td>ST-12</td>
<td>4 XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Generator</td>
<td>Outside</td>
<td>Olympian</td>
<td>17 KW, 60A</td>
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<tr>
<td>N/A</td>
<td>Package Unit</td>
<td>Roof</td>
<td>Trane</td>
<td>3/4 HP, 75,000 Btu/hr</td>
</tr>
<tr>
<td>N/A</td>
<td>Package Unit</td>
<td>Roof</td>
<td>Trane</td>
<td>1/3 HP, 75,000 Btu/hr</td>
</tr>
<tr>
<td>N/A</td>
<td>Package Unit</td>
<td>Roof</td>
<td>Carrier</td>
<td>72,000 Btu/hr</td>
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<tr>
<td>N/A</td>
<td>Unit Heater</td>
<td>Fire Truck Bay</td>
<td>Hastings</td>
<td>150,000 Btu/hr</td>
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<tr>
<td>N/A</td>
<td>Water Heater</td>
<td>Washer/Dryer Room</td>
<td>A.O Smith</td>
<td>100 Gallons, 199,900 Btu/hr</td>
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<tr>
<td>N/A</td>
<td>Water Heater</td>
<td>Tool Room</td>
<td>RUUD</td>
<td>50 Gallons, 65,000 Btu/hr</td>
</tr>
</tbody>
</table>

Backflows Equipment List:

| NA | Fire System | Model: 805YD | Serial No: B15151 | 6" | 1XY |

Generator Equipment List:

<p>| N/A | Generator | West Parking Lot | Olympian | SN.097682/106 | 17 kw / 2 gal/hr | 45 gal capacity 22.5 hr run time | 2XY (One annual, one 6mo check) |</p>
<table>
<thead>
<tr>
<th>N/A</th>
<th>Air Compressor</th>
<th>Tank refill room</th>
<th>Make-Up Air Unit</th>
<th>7 HP, 7000 PSI</th>
<th>1XY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CU-1</td>
<td>Condensing Unit</td>
<td>Outside</td>
<td>REZNOR</td>
<td>12 Tons</td>
<td>4XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Library</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Sleeping Room 1</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Sleeping Room 2</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Sleeping Room 3</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Sleeping Room 4</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Sleeping Room 5</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Sleeping Room 6</td>
<td>Mitsubishi</td>
<td>.5 Tons</td>
<td>4XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Radio Room</td>
<td>Mitsubishi</td>
<td>1.5 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Training Room</td>
<td>Mitsubishi</td>
<td>2 Tons</td>
<td>4XY</td>
</tr>
<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Lobby</td>
<td>Mitsubishi</td>
<td>1 Ton</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Training</td>
<td>Mitsubishi</td>
<td>1 Ton</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Dayroom</td>
<td>Mitsubishi</td>
<td>1.3 Tons</td>
<td>4XY</td>
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<tr>
<td>N/A</td>
<td>Evaporative Unit</td>
<td>Lobby</td>
<td>Mitsubishi</td>
<td>1 Ton</td>
<td>4XY</td>
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<td>N/A</td>
<td>Evaporative Unit</td>
<td>Company Office</td>
<td>Mitsubishi</td>
<td>3/4 Tons</td>
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<tr>
<td>N/A</td>
<td>Exhaust Fan</td>
<td>Electrical Room</td>
<td>Dayton</td>
<td>1/15 HP, 1110 CFM</td>
<td>1XY</td>
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<tr>
<td>EF-2</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Greenheck</td>
<td>1/20 HP, 250 CFM</td>
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<td>EF-4</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Cook</td>
<td>1/4 HP, 150 CFM</td>
<td>1XY</td>
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<tr>
<td>EF-3</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Cook</td>
<td>1/4 HP, 200 CFM</td>
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<td>PH-2</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Cook</td>
<td>3/4 HP, 1739 CFM</td>
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<td>EF-1</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Cook</td>
<td>3/4 HP, 2000CFM</td>
<td>1XY</td>
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<tr>
<td>PH-1</td>
<td>Exhaust Fan</td>
<td>Roof</td>
<td>Cook</td>
<td>3/4 HP, 2070 CFM</td>
<td>1XY</td>
</tr>
<tr>
<td>MAU-1</td>
<td>Make Up Air Unit</td>
<td>Roof</td>
<td>REZNOR</td>
<td>1/4 HP, 800 CFM</td>
<td>1XY</td>
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<tr>
<td>N/A</td>
<td>Pump</td>
<td>Mechanical Room</td>
<td>Armstrong</td>
<td>1/25 HP, 4 GPM</td>
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<td>Storage Tank</td>
<td>Outside</td>
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<td>Unit Heater</td>
<td>Fire Truck Bay</td>
<td>Hastings</td>
<td>150,000 Btu/Hr</td>
<td>1XY</td>
</tr>
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<td>Laundry room</td>
<td>TPI</td>
<td>F3A22TAF8120T</td>
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<td>Water Heater</td>
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<td>2/3 Gallons</td>
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<table>
<thead>
<tr>
<th>Backflows Equipment List:</th>
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<tr>
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</tr>
<tr>
<td>NA</td>
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<tr>
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<table>
<thead>
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<th>Generator Equipment List:</th>
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</thead>
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