

State of Hawaii
Department of Education
Procurement and Contracts Branch
94-275 Mokuola Street, #200
Waipahu, HI 96797
T: (808) 675-0130 F: (808) 675-0133

**Registration Form
For Online Solicitations**

- The Procurement and Contracts Branch (PCB) is not notified when a particular solicitation is viewed or downloaded. Therefore, Offerors interested in responding to this solicitation must first register their participation by completing and submitting this Registration Form.
- The completed Registration Form must be e-mailed or faxed to the PCB Solicitation Contact Person listed below as soon as possible after downloading this solicitation, but in any case, prior to the deadline for offers.
- Only Offerors who are registered will be forwarded addenda and/or other notices related to this solicitation when issued, if any. Failure to register may result in the Offeror not receiving addenda and/or other solicitation related notices, and such offers may therefore be rejected, and not considered for award.
- Failure of the Offeror to receive any such addenda shall not relieve the Offeror of any obligation under this solicitation. It remains the responsibility of the Offeror to complete and submit its offer in accordance with the instructions contained in this solicitation, as well as subsequent interpretations and addenda, if any.

Solicitation Information:

Number:	RFP D19-007
Title:	Maintenance and Repair for Air Conditioning and Ventilating Equipment at Various Hawaii Department of Education Schools on the Island of Oahu Leeward District
Deadline:	2:00 p.m. Hawaii Standard Time, June 7, 2019
Contact Person:	Louise Yasuda
Contact's e-mail Address:	Louise_yasuda@notes.k12.hi.us

Offeror Information:

Name of Company Registering:	
Mailing Address:	
Name of Contact Person:	
Contact's e-mail Address:	
Contact's Telephone/ Facsimile No.:	
<input type="checkbox"/> Check here if an electronic/fillable copy of the Equipment Inventory & Unit Prices Excel Spreadsheet are requested. It will be emailed to the email address provided.	

DEPARTMENT OF EDUCATION
PROCUREMENT AND CONTRACTS BRANCH

MAY 3, 2019

REQUEST FOR PROPOSALS

RFP D19-007

SEALED PROPOSALS

MAINTENANCE AND REPAIR FOR AIR CONDITIONING AND VENTILATING EQUIPMENT

AT VARIOUS HAWAII DEPARTMENT OF EDUCATION SCHOOLS ON THE

ISLAND OF OAHU LEEWARD DISTRICT

will be received up to 2:00 p.m. (HST)

on

JUNE 7, 2019

at the HIDOE, Procurement and Contracts Branch, Waipahu Civic Center, 94-275 Mokuola Street, Room 200, Waipahu, Hawaii 96797.

A Pre-Proposal Conference will be held on May 10, 2019 at 1:00 p.m. (HST). The Pre-Proposal Conference will be held simultaneously at 729 Kakoi Street, Honolulu, HI 96819, Facility Maintenance Branch, Conference Room A, and via telephone conference. Attendance is optional but highly recommended. Refer to Section 1.10, Pre-Proposal Conference for more information.

Questions relating to this solicitation may be directed to Name here via telephone at (808)675-0130, via facsimile at (808) 675-0133, or via email at louise_yasuda@notes.k12.hi.us.

1.0 OVERVIEW OF PROCUREMENT PROCESS

1.1 RFP Organization

This RFP is organized as follows:

- Section 1. Overview of Procurement Process. Provides Offerors with a general overview of the RFP process.
- Section 2. Purpose and Overview. Provides Offerors with general information about the objectives of this project and RFP, and critical success factors.
- Section 3. Scope of Work and Requirements. Provides Offerors with a general description of the tasks to be performed, delineates HIDEOE and CONTRACTOR'S responsibilities, stipulates Offeror qualifications, and defines deliverables.
- Section 4. Proposal. Describes the required format and content for the Offeror's submittal, and establishes requirements for the Price Proposal.
- Section 5. Proposal Evaluation. Describes how proposals will be evaluated by the HIDEOE.
- Appendix A. Proposal Identification and Information Form
- Appendix B. Offeror Information
- Appendix C. Offeror Reference Form
- Appendix D. Wage Certificate
- Appendix E. HVAC Technician Qualification Form
- Appendix F. Price Proposal Form
- Appendix G. Equipment Inventory & Unit Price (Maintenance and Repair Service)
- Appendix H. Equipment Information
- Appendix I. Recurring Maintenance Service Checklist Forms
- Appendix J. Contract Minimum and Special Conditions
- Appendix J. State's General Conditions

1.2 Procurement Authority

This procurement is being conducted as a competitive sealed proposals procurement in accordance with the procedures set forth in §103D-303 of the Hawaii Revised Statutes (hereinafter "HRS") and Title 3, Subtitle 11, Chapter 122, Subchapter 6 of the Hawaii Administrative Rules (hereinafter "HAR"). The relevant provisions of §103D, HRS, and their associated HAR, are incorporated by reference and made a part of this RFP.

1.3 Issuing Office and Contact Person

The following person from the issuing office listed below is the sole point of contact for this RFP. Communication with any other contact person from the date of release of this RFP until the selection of the successful Offeror(s) without approval, may result in disqualification.

RFP Point of Contact: Louise Yasuda
email: louise_yasuda@notes.k12.hi.us
Phone: (808) 675-0130
Fax: (808) 675-0133

Issuing Office:
State of Hawaii Department of Education (HIDOE)
Procurement and Contracts Branch
Waipahu Civic Center
94-275 Mokuola Street, Room 200
Waipahu, Hawaii 96797

1.4 Procurement Timetable

Except as noted, the following schedule represents the HIDOE's best estimate. All times indicated are Hawaii Standard Time (HST). If any component of this schedule is delayed, the rest of the schedule will likely be amended by the same number of days, however the HIDOE reserves the right to amend or revise the timetable without prior written notice when such revision or amendment is in the HIDOE's best interest.

Public Notice announcing Request for Proposals (RFP)	May 3, 2019
Pre-Proposal Conference	1:00 p.m., May 10, 2019
Deadline for submission of written questions	On or before 4:00 p.m., May 17, 2019
HIDOE's responses to written questions	on or about May 24, 2019
Proposals due at: HIDOE Procurement and Contracts Branch (PCB) Waipahu Civic Center 94-275 Mokuola Street, Room 200 Waipahu, Hawaii 96797 THERE ARE NO EXCEPTIONS TO THIS PROPOSAL DUE DATE UNLESS THE DATE IS AMENDED IN WRITING BY THE PROCUREMENT AND CONTRACTS BRANCH.	2:00 p.m. HST June 7, 2019
Evaluation of Proposals	June 10, 2019 – June 17, 2019
Determination of Priority-Listed Offerors (if necessary)	TBD, if necessary
Best and Final Offers (if necessary)	TBD, if necessary
Contractor(s) Selected	June 26, 2019
Contract Award	on or about July, 2019
Contract Commencement Date/Notice to Proceed	July 2019

1.5 Cancellation of RFP; Rejection of Proposals

This RFP may be cancelled and any or all proposals may be rejected in whole or in part, when it is determined to be in the best interest of the HIDOE.

1.6 Required Review/Written Questions

It is the Offeror's responsibility to carefully review this solicitation for defects and questionable or objectionable matter. Solicitation documents include this RFP, any attachments, plans referred to herein, and any other relevant documentation.

Comments concerning defects, discrepancies, omissions, questionable or objectionable matter, or questions related to this RFP must be made in writing to allow issuance of any necessary amendments to the RFP. It will also help prevent exposure of Offeror's proposal prepared in response to a defective or inaccurate solicitation upon which award could not be made.

Comments related to this solicitation shall be communicated in writing to the RFP contact person identified via fax or e-mail by the date and time established for submission of written questions to ensure an official response. The HIDEOE will not respond to verbal or informal questions.

Such comments shall contain pertinent information to identify the prospective Offeror, its telephone number, e-mail address, the RFP number, as well as reference to the specific page, section, and/or paragraph as applicable.

The response to the prospective Offerors' written questions received by the scheduled date shall be compiled, shall omit reference to the source(s) of the questions, shall be issued as an addendum to the RFP, and shall become a part of the RFP. The HIDEOE will publish the questions as they are submitted including any background information provided with the question. The HIDEOE at its sole discretion may omit questions which may be combined or paraphrase questions and background content for clarity.

The HIDEOE's responses shall be communicated in writing via published addenda to this RFP. Offerors who have submitted an RFP Registration Form will receive notification of any addenda from the date the Registration Form is received. The HIDEOE is not responsible for delays or non-receipt of such responses or any communications by the prospective Offerors.

If an Offeror submits a question after the scheduled date, the HIDEOE may answer the question but does not guarantee that the answer will be provided prior to the Proposal due date.

1.7 RFP Addenda

The HIDEOE reserves the right to amend this RFP at any time prior to the closing date for best and final offers. All addenda issued shall be incorporated into the resulting contract. Failure of any Offeror to complete and submit an RFP Registration Form or receive any such addenda or interpretations shall not relieve the Offeror of any obligation under this solicitation.

1.8 Notice of Intent to Offer (Letter of Intent)

A notice of intent to submit a Proposal is NOT required.

1.9 Site Inspection

Prior to submittal of a proposal, Proposer may inspect the project sites to become thoroughly familiar with existing conditions, rules and regulations, and the extent and nature of work to be performed.

Site visits are optional but highly recommended. Submission of proposal shall be evidence that the Proposer fully understands the scope of the project and shall comply with all requirements stated herein, if awarded the contract. Proposers must contact the school Principal/Vice Principal directly (school directory and contact information is available at school website) to arrange for an inspection visit. No additional compensation, subsequent to proposal opening, shall be allowed

by reason of any misunderstanding or error regarding site conditions or work to be performed.

1.10 Pre-Proposal Conference

A Pre-Proposal Conference will be held on May 10, 2019 at 1:00 p.m. (HST). The Pre-Proposal Conference will be held simultaneously at 729 Kakoi Street, Honolulu, HI 96819, Facility Maintenance Branch, Conference Room A, and via telephone conference. Attendance is voluntary but interested Proposers are encouraged to attend to gain understanding of the breadth and scope of work involved under this RFP. It is the intent of the HIDOE to address questions concerning this RFP at the Pre-Proposal Conference. Final answers to any questions resulting in revisions to the original terms will be issued in writing as an addendum to this RFP.

Interested Offerors wanting to participate in the Pre-Proposal Conference via telephone may participate in the pre-proposal conference with the following phone number and pass code:

For Oahu:

Number: 808-587-4300

Conference No: 7037#

For Neighbor Islands and Mainland:

Number: 1-866-254-4555

Conference No. 7037#

1.11 Deadline for Proposals

Proposals shall be received only until the hour and date set for the opening. Whether or not proposals are opened exactly at the established deadline, none will be received after that time. Proposals received after the deadline shall be rejected and returned unopened. Timely receipt of offers shall be evidenced by the date and time registered by the Procurement and Contracts Branch's time stamp clock.

1.12 Proposal Opening

Proposals shall not be opened publicly, but shall be opened in the presence of two or more procurement officials. The register of proposals and Offerors' proposals shall be open to public inspection upon posting of the award.

1.13 Disqualification of Offers

The HIDOE reserves the right to consider as acceptable only those proposals submitted in compliance with all the requirements set forth in this RFP and which demonstrate an understanding of the issues involved and the scope of work.

An Offeror shall be disqualified, and the Offeror's Proposal shall be rejected for any one or more of the following non-exclusive reasons as solely determined by the HIDOE:

1.13.1 Proposal received after specified deadline.

1.13.2 Proposal not properly completed as required herein or containing any unauthorized additions or deletions, defects including but not limited to irregularities of any kind which may make the Proposal incomplete, indefinite, or ambiguous as to its meaning (e.g. un-initialed erasures, prices which are obviously unbalanced).

1.13.3 A Proposal which is incomplete or conditional proposals including but not limited to a Proposal which includes any other set of terms and conditions, or any terms or conditions contradictory to those included in this RFP.

1.13.4 A Proposal signed by other than an authorized individual, or a Proposal not

containing an original signature in ink.

1.13.5 A faxed or electronically submitted proposal will not be accepted or acknowledged.

1.13.6 More than one Proposal from an individual, firm, corporation or joint venture under the same or different names (Offeror), whereby all proposals from the Offeror shall be rejected.

1.13.7 Evidence to the HIDEOE's sole satisfaction of collusion among Offerors, lack of responsibility and cooperation to HIDEOE requests during the RFP process or as shown by past work, being in arrears on existing contracts with the State of Hawaii, or defaulting on previous contract(s).

1.13.8 Failure to possess proper licenses, facilities, equipment or sufficient experience to provide the proposed solution or to perform the work contemplated.

1.13.9 Evidence of any noncompliance with any applicable law or rule.

1.14 Proposal Evaluation

The HIDEOE will conduct a comprehensive, fair, and impartial evaluation of the proposals it receives in response to this RFP. Refer to Section 5 of this RFP for specific requirements and details of the process.

1.15 Proposal as Part of the Contract

This RFP and part or all of the successful proposal may be incorporated into the contract.

1.16 Additional Terms and Conditions

The HIDEOE reserves the right to add terms and conditions during discussions with offerors, if any. These terms and conditions will be within the scope of the RFP and will not affect the proposal evaluations.

1.17 Offer Acceptance Period

The HIDEOE's acceptance of a proposal, if any, will typically be made within ninety (90) calendar days after the opening of proposals. Prices quoted by the Offeror shall therefore remain firm for ninety (90) calendar days from the receipt of proposals.

1.18 Contract; Contract and Performance Period

The CONTRACTOR receiving the award shall be required to enter into a formal written contract. Upon execution of contract, the HIDEOE will issue a notice to proceed and a fully executed copy of the contract to the CONTRACTOR. No work will be undertaken by the CONTRACTOR prior to the commencement date specified on the contract as the HIDEOE is not liable for any work, contract costs, expenses, loss of profits, or any damages whatsoever incurred by the CONTRACTOR prior to official starting date.

1.18.1 Contract Term

The Contract shall commence upon full execution of the contract by the Superintendent of the Department of Education and shall end on June 30, 2020.

1.18.2 Contract Renewal

The Contract may be extended for not more than four (4) additional twelve-month periods, i) upon mutual written agreement of the parties, ii) prior to expiration and iii) under the same terms and

conditions of the original agreement or as negotiated between the HIDEOE and the CONTRACTOR. Contract extension(s) shall be contingent upon i) the need for continued services and ii) funding availability beyond the current fiscal year. As each option(s) to extend is mutually agreed upon, the CONTRACTOR shall be required to execute a supplement to the Contract for each additional period.

1.18.3 Performance Period

The CONTRACTOR shall complete the work within the time limits specified herein. The time specified herein is the maximum time allowed.

1.19 Contract Award

Award, if any, shall be made to the responsible Offeror with the highest number of points and whose proposal the HIDEOE deems most advantageous in accordance with the evaluation criteria specified.

1.20 Responsibility of Offerors; Hawaii Compliance Express

The Offeror is advised that if awarded a contract under this RFP, offeror shall, upon award of contract, furnish proof of compliance with the requirements of HRS §103D-310 and HAR § 3-122-112 including:

- Chapter 237, General Excise Tax Law;
- Chapter 383, Hawaii Employment Security Law;
- Chapter 386, Workers' Compensation Law;
- Chapter 392, Temporary Disability Insurance;
- Chapter 393, Prepaid Health Care Act; and One of the following:
 1. Be registered and incorporated or organized under the laws of the State of Hawaii (hereinafter referred to as a "Hawaii business"); or
 2. Be registered to do business in the State of Hawaii (hereinafter referred to as a "compliant non-Hawaii business").

Offeror may demonstrate proof of compliance with the above-referenced requirements by submitting a *Certificate of Vendor Compliance* issued by the Hawaii Compliance Express (HCE) online system to the HIDEOE, Procurement and Contracts Branch upon award of a contract. The HCE service allows vendors to register online through a simple wizard interface at <http://vendors.ehawaii.gov>. The *Certificate of Vendor Compliance* provides current compliance status as of the issuance date, satisfies requirements of Chapter 103D-310(c), HRS, and is therefore acceptable for contracting purposes. CONTRACTORS that elect to use HCE services are required to pay an estimated annual fee of \$12.00 to the Hawaii Information Consortium, LLC (HIC).

Due to the time required to obtain the HCE *Certificate of Vendor Compliance*, it is highly recommended that the interested Offeror begin the registration process immediately.

1.21 Failure to Execute Contract; Timely Submission of Certificates

At time of contract award, the above *Certificate of Vendor Compliance* and any other documentation and certification shall be submitted to the HIDEOE, Procurement and Contracts Branch as soon as possible or by the deadline established by HIDEOE. If a valid certificate or non-compliant documentation is not submitted on a timely basis for award of a contract, award made to an Offeror otherwise responsible may be annulled.

Failure to execute a contract as required within ten (10) calendar days or such further time as the HIDEOE may allow after the Awardee has received the contract for execution shall be just cause for the annulment of the award. HIDEOE may award the contract to the next responsible Offeror or may call for other offers, whichever is deemed to be in the best interest of the HIDEOE.

1.22 Notification of Award; Non-selected Offeror(s)

Upon award to the successful Offeror(s), the HIDOEE shall post publicly, a notice of award which may be viewed at the Hawaii Awards and Notices Data System (HANDS) website at <https://hands.ehawaii.gov/hands/awards>. Additionally, the HIDOEE will provide written notification of the award to any non-selected Offeror(s). The HIDOEE is not responsible for delays or non-receipt of such notification. Failure of any Offeror to receive any such notification shall not relieve the Offeror of any obligations or requirements herein.

1.23 Debriefing

The purpose of a debriefing is to inform the non-selected Offerors of the basis for the source selection decision and contract award. An Offeror(s) not selected for contract award shall submit a written request for a debriefing within three (3) working days after the posting of the contract award. The debriefing shall be held, to the maximum extent possible, within seven (7) working days after the posting of the award.

1.24 Protest

Pursuant to §103D-701, HRS and §3-126, HAR, a protest of the solicitation must be made prior to proposal opening, and a protest of an award or proposed award shall be submitted within five (5) working days after the posting of award of the contract or within five (5) working days following a debriefing. The notice of award(s) resulting from this solicitation shall be posted on the Hawaii Awards and Noticed Data System (HANDS) website at <https://hands.ehawaii.gov/hands/awards>.

Any protest pursuant to §103D-701, HRS and §3-126, HAR shall be submitted in writing to the HIDOEE's Chief Procurement Officer, c/o Procurement and Contracts Branch at the Waipahu Civic Center, 94-275 Mokuola Street, Room 200, Waipahu, Hawaii 96797.

2.0 RFP PURPOSE AND OVERVIEW

2.1 Purpose and Introduction

The HIDOE Leeward District is comprised of three (3) Complex Areas and a charter school. These Complex Areas and charter school are made up of approximately forty-five (45) elementary, intermediate/middle and high schools. This RFP will be for maintenance and repair services, and as-needed repairs ordered by the Contract Administrator (CA) for air conditioning (AC) and ventilating equipment located at these schools, including AC equipment located at two (2) HIDOE Offices within the District.

The HIDOE, through this RFP, seeks the best qualified CONTRACTOR to provide AC and ventilating equipment maintenance and repair services to HIDOE schools on the Leeward District, on the island of Oahu.

3. SCOPE OF WORK; PROJECT AND OFFEROR REQUIREMENT

3.1 SCOPE OF WORK

The CONTRACTOR shall furnish all labor, materials, parts, tools, lubricants, refrigerant, equipment, transportation, all other incidental works including all subcontract work, and supervision necessary for the complete inspection, trouble shooting, maintenance and repairs of the air conditioning and ventilating equipment located at various HIDOE schools and offices in the Leeward District on the island of Oahu. The CONTRACTOR shall completely guarantee the satisfactory operation of all air conditioning and ventilating systems within the scope of this contract such that the temperature of air conditioned rooms can be maintained at seventy-five (75) degrees Fahrenheit, plus or minus three (3) degrees.

Work under this agreement shall consist of providing recurring maintenance and repairs for air conditioning and ventilating equipment for various HIDOE schools and offices in the Leeward District on the island of Oahu, as described and specified herein, and shall be in accordance with these Special Conditions, the attached Specifications, and the General Conditions AG-008 (latest revision). There are four (4) parts, Section I – IV, to the guaranteed maintenance service and repair work, as follows:

Section I: Description of Work

Section II: General Requirements, Recurring Maintenance and Water Treatment Service

Section III: Other Service Requirements

Section IV: Repairs for Ductless Splits, Fresh Air Fans & Dehumidifiers Authorized by the Contract Administrator (CA)

Section V: Repairs Authorized by the CA for Unforeseen Events

Section I: DESCRIPTION OF WORK

This is a full guaranteed maintenance and repair service contract. The price proposal shall include the following:

a. Inspection and Assessment of Existing Equipment:

The CONTRACTOR shall be responsible to inspect and assess the existing air conditioning and ventilation equipment at various HIDOE schools and offices on the Leeward District as listed herein in Appendix G, Equipment Inventory prior to proposal submission. The list of repair work completed from January 2018 to December 2018 on equipment listed in this contract, is detailed in Appendix H, Exhibit A. The list is provided for reference purposes only.

b. Maintenance and Repair Work:

The CONTRACTOR shall be totally responsible for **all costs** necessary for the maintenance services and repairs of all systems (equipment, piping, ductwork, insulation, etc.) for complete and satisfactory operation, including but not limited to, responding to all HIDOE trouble calls, regardless of the reason(s) for the call. The trouble call monthly average between January 1, 2018 and December 31, 2018 is as follows:

Regular	Emergency
39	0

The average monthly trouble call is provided for reference only. The average monthly trouble calls that will be generated in this contract may or may not exceed these numbers.

The CONTRACTOR shall furnish all labor, materials, parts, tools, lubricants, refrigerant, equipment, transportation, all other incidental works including all subcontract work, and supervision necessary for the complete inspection, trouble shooting, and repair of all the air conditioning and ventilating equipment listed in Appendix G. All cost associated to any repair work shall be inclusive in this contract.

The full guaranteed maintenance and repair service contract shall not relieve the CONTRACTOR from performing the specified scheduled maintenance service and repair service.

The CONTRACTOR shall perform complete maintenance and repair services, including, but not limited to, inspections, recurring maintenance, responding to all trouble calls, trouble shooting, performing repair work, coordinating trouble shooting and repairs for Direct Digital Control (DDC) web control devices with appropriate/respective installer or supplier, emergency service and re-setting air conditioning equipment schedule as requested by HIDEOE for all equipment included in this solicitation. Complete maintenance and repair services, including coordination with other HIDEOE service vendors, shall cover all equipment and appurtenances that are not listed but are part of the system, including but not limited to Variable Air Volume (VAV) boxes, Variable Frequency Drives (VFD), duct smoke detectors, and motorized and/or fire dampers. Replacements shall be corrosion protection coated with Blygold 'Polual' or Thermoguard or MicroGuard for coils and fins, and Polysilone-PSX-700 or Thermoguard for casings with three year warranty. Submit to the CA for approval a certification for the corrosion protection work. Warranty for new equipment or components resulting from the above repairs or replacements shall comply with Special Conditions Item No. 7- Warranty.

The CONTRACTOR may subcontract, upon CA's approval, repairs and/or any parts replacements related to Direct Digital Control (DDC) system or web control devices only, at schools that are not covered under HIDEOE's existing DDC service contracts. The CONTRACTOR shall submit a cost proposal for the subcontracted repairs and/or parts replacements to the CA for approval. Upon approval by the CA, a purchase order will be issued to the CONTRACTOR for the subcontracted repair work.

The CONTRACTOR shall repair or replace all worn, failed or doubtful units, components and parts, regardless of cause, to ensure satisfactory operation of the air conditioning and ventilation equipment. Replacement parts shall be new, standard parts manufactured by the maker of each unit or of equal design and quality to maintain systems integrity and serviceability. The CONTRACTOR shall be responsible for the electrical control of each unit from the disconnect switch to the unit, including all electrical problems. The CONTRACTOR shall be responsible for each equipment's built-in controllers or electro-mechanical controllers (EMC) systems. These controllers come with the equipment and are standalone. These controllers may be connected to a DDC system but they will not be considered as part of the DDC system. Additionally, these controllers are deemed an integral part of the equipment and shall be the CONTRACTOR'S responsibility. Any questions as to the satisfactory performance of maintenance service and repairs and the satisfactory operation of all equipment and systems shall be determined by the CA.

The CONTRACTOR shall notify the CA or the Point of Contact (POC) when repair work is completed. The CA or the POC reserves the right to inspect the completed work to verify the work is complete and acceptable. The CONTRACTOR shall provide a service report with a detailed summary of work performed, including photos taken at the same angle that clearly shows the condition of the device/equipment before and after the repair work was completed.

Section II: GENERAL REQUIREMENTS

A. Recurring Maintenance Requirements

Within seven (7) days after full execution of this contract, the CONTRACTOR shall submit in writing to the CA for approval, a proposed recurring maintenance schedule for each school and a proposed scheduled date in sufficient detail to show its adequacy in carrying out the terms of this contract.

The CONTRACTOR shall be totally responsible for all tasks and costs necessary for accomplishing the recurring maintenance tasks as specified in the following sections. The required recurring tasks shall consist of thorough maintenance work in accordance with the best commercial practices governing the maintenance of air conditioning and ventilating systems. Where parts are worn out and cannot be restored, the CONTRACTOR shall replace these parts with new parts. Only new, standard parts manufactured by the maker of each unit or parts of equal quality shall be used. All parts and materials, including the refrigerant, at a minimum, need to be refilled, oiled, and lubricated at no additional cost to the State. Coil cleaning, including but not limited to, coil chemical cleanings, if necessary, shall be implemented at no additional cost to the State.

1. AIR HANDLING UNITS AND FAN COIL UNITS

Monthly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. Clear and clean all drip pans and flush all related condensate drain lines with compressed air, water, nitrogen or other applicable means. (CONTRACTOR may be liable for water damages due to clogged drains). Install pan tablets if necessary to control algae. Tablets shall not block drain hole at any time they are used in drip pans. CONTRACTOR shall be responsible for drain lines up to where it enters the wastewater system.
- b. Change all disposable air filters, including automatic filters as required, but at least once every two (2) months or sooner if needed; use 2" or correct size that corresponds to the equipment, pleated, FARR 30/30, MERV 8 or approved equal by the CA. The washable filters shall be washed at least once a month or sooner if needed. Filters shall be hand marked with the date of installation using a permanent ink marker by the technician servicing the equipment. Markings shall be easily readable with a 1" minimum height font size. New filters shall be positioned so that the markings are visible without having to remove the filters.
- c. Wash permanent type filters with a CA approved detergent and spray coat with a HVAC industry approved filter treatment solution. Replace deteriorated permanent type filters, which cannot be cleaned.

- d. Lubricate and oil all fan and motor bearings, and connections of dampers and vanes. Check controls to ensure proper operation.
- e. Check all drives for wear; adjust belt tension. Replace belt as required.
- f. Check ultra violet (UVC) lamps and carbon dioxide (CO2) monitor systems; repair/replace items as required to keep systems operating properly.
 - 1. Replace UVC lamps that have been in place more than one (1) year. (See Annual Service requirements in this section).
 - 2. Recalibrate the CO2 monitor system **quarterly** during early morning hours. Calibration of the interior CO2 sensor shall consist of comparison with readings from an outside CO2 sensor that has been calibrated and is used as the control sensor; only a relative comparison is required. Calibrate the interior sensor if the reading differs by more than 75 ppm. Replace CO2 sensor if it is inoperative.
- g. Check back-draft and motor-controlled dampers and operators for proper operation; lubricate linkage for free movement.
- h. Operate equipment to check for proper operation, unusual noise, and vibration. Adjust, repair, and correct all discrepancies before certifying service reports.

Semi-Annual Service

CONTRACTOR shall perform the following services on a semi-annual basis:

- a. Adjust alignment of bearings, sheaves, lubricate fan and motor bearings. Replace worn or noisy bearings or sheaves.
- b. Wash cooling coils and clean all dirt accumulation, using CA-approved cleaning method, including water washer, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed) as necessary. UVC lights shall be fully protected during washing operations. Damaged lights shall be replaced. The CONTRACTOR shall submit to the CA a list of proposed chemical coil cleaning solution for approval. The HIDEOE reserves the right to specify a chemical coil cleaning solution to be used if HIDEOE sees necessary or if CONTRACTOR is found non-compliant, without any additional cost implication to the HIDEOE. If HIDEOE specifies a chemical coil cleaner, the CONTRACTOR shall furnish the chemical coil cleaner and, with all due diligence, shall use it according to the product manufacturer's recommendations and MSDS.

The CONTRACTOR shall document the completed coil cleaning by taking "before and after" photos of the coils. The before and after photos shall be taken at the same angle and shall show the whole coil. The photos shall be clear and not blurry.

The photos shall be submitted as part of the backup documents for the Semi-Annual Maintenance Invoice.

- c. All supply and return air grilles, registers and diffusers and exterior surfaces of all related air conditioning equipment shall be vacuumed and wiped clean. Use HEPA vacuum and filter; use vacuum hose extension kit to reach within a foot deep of the adjoining interior section of air conditioning duct to remove accumulated dust or debris, being extra-careful not to cause any damage to the duct's interior insulation or lining. Clean fresh air intake grille and damper, and replace deteriorated bird/insect screens.

- d. Operate equipment to check for proper operation, unusual noise. Adjust, repair, and correct all discrepancies before certifying service reports.

Annual Service

CONTRACTOR shall perform the following services on an annual basis:

- a. Check pressure drop and temperature differential across coils, and log readings. Clean strainers and check vents and drains on chilled water coils.
- b. Secure all loose housings, seal leaks and touch-up paint after treating and cleaning all rust.
- c. Replace any UVC light tubes that have not been replaced since the last annual service. Insure that UVC light is operating. UVC light bulbs shall be replaced every twelve (12) months as a minimum. Following execution of the contract, a UVC lamp replacement schedule shall be submitted to the CA for approval. The CONTRACTOR shall submit backup documentations such as order or bill of lading or delivery sheets and invoices to prove that replacement UVC lights were ordered, delivered and installed. The backup documents shall be attached to the CONTRACTOR's Annual Maintenance Invoice. The Invoice will not be processed unless the aforementioned backup documents are submitted and the UVC lights are replaced.
- d. Check condition of insulation; repair/re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.
- e. Calibrate temperature controls.
- f. Clean all fan wheels and interior housings.
- g. Check and clean all Variable Frequency Drives (VFD), keep them cool, dry and the connections tight. Replace if broken.
- h. Check for VAV boxes. Locate and exercise every VAV box primary air damper to verify it responds to "open-close" commands. Adjust as required to provide full operational function.
- i. Operate equipment to check for proper operation, unusual noise and vibration.

2. PUMPS

Monthly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. Lubricate; check pump and motor bearings including pump couplings for abnormal temperature and unusual noise or vibration and replace as needed. Check pump and motor shafts for proper alignment, re-align as necessary and provide new couplings.
- b. Check packing glands and seals for excessive leakage. Adjust, tighten, and replace as required.
- c. Operate equipment to check for proper operation, unusual noise and vibration.

Semi-Annual Service

CONTRACTOR shall perform the following services on a semi-annual basis:

- a. Check and operate blow down strainer valve to chilled and condenser water pumps. Remove and clean strainer if excessive debris is noted.
- b. Check condition of insulation; re-insulate properly and immediately, upon discovery or notification.
- c. Log suction and discharge pressures and motor amperes for all pumps in recurring maintenance database.
- d. Clean and remove all dust and foreign matter. Clean all rust spots and scratches and touch up paint with matching color, immediately upon discovery or notification.
- e. Check motor coupling for alignment and that mounting bolts are secure. Cracked and deteriorated rubber coupling inserts shall be removed and new coupling inserts shall be provided once shaft alignment is checked and corrected.
- f. Operate equipment to check for proper operation, unusual noise and vibration.

3. TEMPERATURE CONTROLS

Monthly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. Check all DDC, electric or pneumatic control thermostats, controllers, smoke detectors, control dampers, control valves and actuators for proper operation; lubricate, adjust, recalibrate or replace as required. Adjust room thermostats to maintain seventy-five (75) degrees Fahrenheit plus or minus three (3) degrees Fahrenheit in the interior space unless otherwise directed by the CA.
- b. Check control dampers, at a minimum, for tight closing, bent blades, defective linkage. Rusted or broken linkages and blades shall be replaced with new parts.
- c. Verify cooling equipment stages on and off optimally.
- d. Verify compressors are loading and unloading.
- e. Verify all adjustable speed drives are functioning and functioning in accordance with control strategy.
- f. Verify soft starters are working properly.
- g. Verify air conditioning equipment has staggered start times to reduce peak electricity demand.
- h. Verify unoccupied spaces have cooling equipment turned off or set points are at setback temperatures.
- i. Verify schedules that are overridden are returned to their normal operating mode.
- j. Operate equipment to check for proper operation.

Annual Service

CONTRACTOR shall perform the following services on an annual basis:

- a. Replace worn parts or complete controls with new.
- b. Replace all worn contactors.
- c. Operate equipment to check for proper operation.

4. PACKAGED WATER CHILLER, RECIPROCATING COMPRESSOR, AIR-COOLED CONDENSER/CONDENSING UNIT

Monthly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. Check and record entering and leaving chilled water temperatures and pressures of chilled water and water-cooled condenser in the "chiller maintenance log book" located in the mechanical room.
- b. Check and record refrigerant compressor suction and discharge and oil pressures in the "chiller maintenance log book".
- c. Visually check for water, refrigerant and oil leakage; correct as required. Check vibration isolator mounts.
- d. Check compressor, fan, and motor bearings for abnormal temperature and unusual noise; lubricate, and/or replace as required.
- e. Check refrigerant sight glass; change filter/drier if moisture is indicated (Direct Expansion (DX) system). Check compressor oil level and add oil as required.
- f. Check air-cooled condenser fans, sheaves, and belts. Adjust tension or replace belts as required.
- g. Adjust alignment of bearings and sheaves for fans, motors, and compressors, and replace worn or noisy bearing or sheaves.
- h. Note and run system operation through complete operating cycle and adjust for proper operation.
- i. Operate equipment to check for proper operation, unusual noise and vibration.
- j. Adjust chilled water temperature settings for seasonal change (Winter: October 15th – April 30th; Summer: May 1st – October 14th). Annotate date changed and temperature settings in the "maintenance log book" (refer to Section IV, I. Reports, D).
- k. Certify performance of monthly maintenance service and correct and report all discrepancies.

Quarterly Service

CONTRACTOR shall perform the following services on a quarterly basis:

- a. Check chiller response at various cooling load conditions for proper operation and calibration of capacity control system and record settings in recurring maintenance.
- b. Check operation of freezestat and oil failure switch; record settings in the "maintenance log book".
- c. Clean condenser coils of all dirt/salt accumulation with water, steam or surfactant chemical coil cleaning solution (alkali or acidic cleaners not allowed) (air-cooled). The HIDEOE reserves the right to specify a chemical coil cleaning solution to be used if HIDEOE sees necessary or if CONTRACTOR's cleaning solution is found non-compliant, without any additional cost implication to the HIDEOE. If HIDEOE specifies a chemical coil cleaner, the CONTRACTOR shall furnish the chemical coil cleaner and, with all due diligence, shall use it according to the product manufacturer's recommendations and MSDS.

The CONTRACTOR shall document the completed coil cleaning by taking "before and after" photos of the coils. The before and after photos shall be taken at the same angle and shall show the whole coil. The photos shall be clear and not blurry.

The photos shall be submitted as part of the backup documents for the Quarterly Maintenance Invoice.

- d. Test and/or adjust "make-up" water pressure and expansion tank.
- e. Operate equipment to check for proper operation, unusual noise and vibration.
- f. Certify performance of quarterly maintenance service, correct and report all discrepancies.

Semi-Annual Service

CONTRACTOR shall perform the following services on a semi-annual basis:

- a. Remove heads of condenser end bell and internally brush tubes (Chillers with cooling towers) if approach temperature is above manufacturer's specification (>85°F condenser water entering).
- b. Certify performance of semi-annual maintenance service, correct and report all discrepancies.

Annual Service

CONTRACTOR shall perform the following services on an annual basis:

- a. Have compressor crankcase oil analyzed and submit written report; replace if contaminated; clean or replace strainer and oil filter.
- b. Replace refrigerant filter/drier.
- c. Megger compressor motor and submit report; check starter relay and control contacts and electrical connections for tightness and clean as required.
- d. Add chilled water corrosion inhibitor (closed loop) chemicals as necessary.
- e. Test operate control switches, compressor unloading and safeties; calibrate and record settings. Adjust as required.

- f. Check, wipe down with shop towels and clean all unit housings (inside, outside and components), seal leaks and remove rust from exterior components and touch-up paint with matching color, immediately upon discovery or notification.
- g. Check condition of insulation; re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.
- h. Operate equipment to check for proper operation, unusual noise and vibration.
- i. Certify performance of annual service, report and correct all discrepancies. Submit maintenance report in writing to the HIDEOE Facilities Maintenance Branch (FMB) within 30 days of service.

5. PACKAGED OR SPLIT DX AIR CONDITIONING UNITS

Monthly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. Clear and clean all drip pans and flush all related condensate drain lines (including insulation) with compressed air, water, nitrogen or other applicable means. (CONTRACTOR may be liable for water damages due to clogged drains). Install pan tablets if necessary to control algae. Tablets shall not block drain hole at any time they are used in drip pans. CONTRACTOR shall be responsible for drain lines up to where it enters the waste system.
- b. Change all disposable air filters, including automatic filters as required, but at least once every two (2) months or sooner if needed; use 2" or correct size that corresponds to the equipment, pleated, FARR 30/30, MERV 8 or approved equal by the CA. The washable filters shall be washed at least once a month or sooner if needed. Filters shall be hand marked with the date of installation using a permanent ink marker by the technician servicing the equipment. Markings shall be easily readable with a 1" minimum height font size. New filters shall be positioned so that the markings are visible without having to remove the filters.
- c. Wash permanent type filters with a detergent approved by CA, and spray coat with an HVAC filter treatment solution approved by CA. Replace deteriorated permanent type filters, which cannot be cleaned.
- d. Lubricate and oil all fan and motor bearings, and connections of dampers and vanes. Check controls to ensure proper operation.
- e. Check all drives for wear; adjust belt tension. Replace belt(s) as required.
- f. Check ultra violet (UVC) lamps and carbon dioxide (CO2) monitor systems; repair/replace items as required to keep systems operating properly.
 - 1. Replace UVC lamps that are not functioning. (See Annual Service requirements in this section).
 - 2. Calibrate the interior sensor if the outside CO2 sensor reading differs by more than 75 ppm. Replace CO2 sensor if it is inoperative.
- g. Check back-draft and motor-controlled dampers and operators for proper operation; lubricate linkage for free movement.

- h. Check and record refrigerant compressor suction, discharge and oil pressures.
- i. Visually check for water, refrigerant and oil leakage; correct as required. Check vibration isolator mounts.
- j. Check compressor, fan, and motor bearings for abnormal temperature and unusual noise; lubricate, and/or replace as required.
- k. Check refrigerant sight glass; change filter/drier if moisture is indicated (Direct Expansion (DX) system). Check compressor oil level and add oil as required.
- l. Check air-cooled condenser fans, sheaves, and belts. Adjust tension or replace belts as required.
- m. Operate equipment to check for proper operation, unusual noise and vibration. Adjust, repair and correct all discrepancies before certifying service reports.
- n. Certify performance of monthly maintenance service and correct and report all discrepancies.

Quarterly Service

CONTRACTOR shall perform the following services on a quarterly basis:

- a. Check unit response at various cooling load conditions for proper operation and calibration of capacity control system and record settings in recurring maintenance.
- b. Recalibrate the CO2 monitor system **quarterly** during early morning hours. Calibration of the interior CO2 sensor shall consist of comparison with readings from an outside CO2 sensor that has been calibrated and is used as the control sensor; only a relative comparison is required.
- c. Operate equipment to check for proper operation, unusual noise and vibration.
- d. Certify performance of quarterly maintenance service and correct and report all discrepancies.

Semi-Annual Service

CONTRACTOR shall perform the following services on a semi-annual basis:

- a. Adjust alignment of bearings, sheaves, lubricate fan and motor bearings. Replace worn or noisy bearings or sheaves.
- b. Wash cooling coils and clean all dirt accumulation, using any kind of cleaning method, including water washer, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed) as necessary. UVC lights shall be fully protected during washing operations. Damaged lights shall be replaced.

Clean air cooled condenser coils of all dirt/salt accumulation with water, steam or surfactant chemical coil cleaning solution (alkali or acidic cleaners not allowed).

The HIDEOE reserves the right to specify a chemical coil cleaning solution to be used if HIDEOE sees it necessary or if the CONTRACTOR's cleaning solution is found non-compliant, without any additional cost to the HIDEOE. If HIDEOE specifies a chemical coil cleaner, the CONTRACTOR shall furnish the chemical coil cleaner and, with all due

diligence, shall use it according to the product manufacturer's recommendations and MSDS.

The CONTRACTOR shall document the completed coil cleaning by taking "before and after" photos of the coils. The before and after photos shall be taken at the same angle and shall show the whole coil. The photos shall be clear and not blurry.

The photos shall be submitted as part of the backup documents for the Semi-Annual Maintenance Invoice.

- c. All supply and return air grilles, registers and diffusers and exterior surfaces of all related air conditioning equipment shall be vacuumed and wiped clean. Use HEPA vacuum and filter; use vacuum hose extension kit to reach within a foot deep of the adjoining interior section of air conditioning duct to remove accumulated dust or debris, being extra-careful not to cause any damage to the duct's interior insulation or lining. Clean fresh air intake grille and damper, and replace deteriorated bird/insect screens.
- d. Operate equipment to check for proper operation, unusual noise. Adjust, repair, and correct all discrepancies before certifying service reports.
- e. Certify performance of semi-annual maintenance service and correct and report all discrepancies.

Annual Service

CONTRACTOR shall perform the following services on an annual basis:

- a. Check pressure drop and temperature differential across coils, and log readings. Clean strainers and check vents and drains on water coils.
- b. Secure all loose housings, seal leaks and touch-up paint after treating and cleaning all rust.
- c. Replace any UVC light tubes that have not been replaced since the last annual service. Insure that UVC light is operating. UVC light bulbs shall be replaced every twelve (12) months as a minimum. Following execution of the contract, a UVC light tube replacement schedule shall be submitted to the CA for approval. The CONTRACTOR shall submit backup documentations such as order or bill of lading or delivery sheets and invoices to prove that replacement UVC lights were ordered, delivered and installed. The backup documents shall be attached to the CONTRACTOR's Annual Maintenance Invoice. The Invoice will not be processed unless the aforementioned backup documents are submitted and the UVC lights are replaced.
- d. Check condition of insulation; repair/re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.
- e. Calibrate temperature controls.
- f. Clean all fan wheels and interior housings.
- g. Check and clean all Variable Frequency Drives (VFD), keep them cool, dry and the connections tight. Replace if broken.
- h. Check for VAV boxes. Locate and exercise every VAV box primary air damper to verify it responds to "open-close" commands. Adjust as required to provide full operational function.

- i. Have compressor crankcase oil analyzed and submit written report; replace if contaminated; clean or replace strainer and oil filter.
- i. Inspect refrigerant filter/drier. Replacement of refrigerant filter/drier must be made whenever refrigerant leak is repaired.
- j. Megger compressor motor and submit report; check starter relay and control contacts and electrical connections for tightness and clean as required.
- k. Add chilled water corrosion inhibitor (closed loop) chemicals approved by CA as necessary.
- l. Test operate control switches, compressor unloading and safeties; calibrate and record settings. Adjust as required.
- m. Check, wipe down with shop towels and clean all unit housings (inside, outside and components), seal leaks and remove rust from exterior components and touch-up paint with matching color, immediately upon discovery or notification.
- n. Check condition of insulation; re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.
- o. Operate equipment to check for proper operation, unusual noise and vibration.
- p. Certify performance of annual service, report and correct all discrepancies. Submit maintenance report in writing to the HIDEOE FMB.

6. DUCT-LESS SPLIT DX AIR CONDITIONERS

Quarterly Service

CONTRACTOR shall perform the following services on a quarterly basis:

- a. Clean, wipe exterior down with shop towels and wash evaporator and condenser coils of all dirt/salt accumulation with water, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed); wash unit to remove dirt, oil and debris from fan assembly and chassis.
- b. Clean condensate pan and flush drain line.
- c. Lubricate fan motor bearings.
- d. Check system refrigerant charge.
- e. Clean, wash or furnish and install new filter as required.
- f. Run and check unit operation and controls through complete cycle, record temperature and setting when compressor cuts in.
- g. Operate equipment to check for proper operation, unusual noise and vibration.

7. STANDBY AND LEAD-LAG EQUIPMENT (Pumps, Chillers, etc.), CONTROL PANELS SWITCHES AND TIME CLOCKS

Monthly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. The CONTRACTOR shall verify the operational changeover of all standby and lead-lag equipment.
- b. Check lead-in wires to see that all connections are tightly secured. Clean contacts, replace if necessary.
- c. Check and adjust time settings as directed or required. Change battery for back-up if applicable, as necessary.
- d. Should time clock fail – replace with electronic type with capacitance back up (Batteries NOT ALLOWED).
- e. Should bypass timer switch fail – replace with adjustable 4-hour programmable electronic selector switch or push button; add/revise wiring as necessary.
- f. Should insects/vermin enter device housings, correct by providing door gaskets, screens over air vents, and seal over conduit openings entering the housing.
- g. Operate equipment to check for proper operation.

Semi-Annual Service

CONTRACTOR shall perform the following services on a semi-annual basis:

- a. Thoroughly clean out all dust and dirt from inside of housing by wiping down exterior with shop towels.
- b. Check and tighten loose fasteners and adjust spring tensions as required.
- c. Check and operate all release mechanisms to see that they are in proper working order.
- d. Clean out all dust and dirt from inside of all control/electrical panels by using dry compressed air or nitrogen to blow out dust and foreign matters.
- e. Operate equipment to check for proper operation.

8. VALVES AND CONDENSER WATER LINES, EQUIPMENT AND SUPPORTS

Quarterly Service

CONTRACTOR shall perform the following services on a quarterly basis:

- a. The CONTRACTOR shall check and inspect all equipment shut-off valves by turning the valves on and off every three (3) months (quarterly) for proper operation and tightness.
- b. Wirebrush and remove rust from pipe, equipment and support surfaces, then prime and paint to prevent further rusting. Perform work immediately upon discovery of rust and or corrosion or upon notification by the CA.

9. VENTILATION FANS (PART OF AIR CONDITIONING SYSTEM)

Quarterly Service

CONTRACTOR shall perform the following services on a quarterly basis:

- a. Check back-draft and motor-controlled dampers and operators for proper operation; lubricate linkage for free movement.
- b. Lubricate fan motors and bearings.
- c. Check belt wear and tension; adjust or replace as needed.
- d. Check sheaves for wear, replace as needed.
- e. Check fan collar, bearings and shaft for wear, replace as needed.
- f. Replace air filters where installed.
- g. Operate equipment to check for proper operation, unusual noise and vibration.

Semi-Annual Service

CONTRACTOR shall perform the following services on a semi-annual basis:

- a. Check, wipe down with shop towels and clean fan wheels and housings of dust, dirt and grease.
- b. Remove and wash all intake/exhaust or supply grilles, registers, louvers and dampers; replace deteriorated bird/insect screens.
- c. Operate equipment to check for proper operation, unusual noise and vibration.

10. Water Source Heat Pump

Monthly Service

- a. Inspect the return air filters. Change all disposable air filters, including automatic filters as required, but at least once every two (2) months or sooner if needed; use 2" or correct size that corresponds to the equipment, pleated, 30% efficiency type – FARR 30/30, MERV 8 or approved equal by the CA. The washable filters shall be washed at least once a month or sooner if needed. Filters shall be hand marked with the date of installation using a permanent ink marker by the technician servicing the equipment. Markings shall be easily readable with a 1" minimum height font size. New filters shall be positioned so that the markings are visible without having to remove the filters.
- b. Check condensate overflow switch to make sure switch float (black ring) has free up and down movement.

Semi-Annual Service

- a. Check the unit's drain pans and condensate piping to ensure that there are no blockages.
- b. Inspect the F/A-R/A damper hinges and pins to ensure that all moving parts are securely mounted. Keep the blades clean as necessary.
- c. Verify that all damper linkages move freely; lubricate with white grease if necessary.

- d. Check supply fan motor bearings; repair or replace the motor as necessary. Check the fan shaft bearings; replace the bearings if necessary.
- e. Check the supply fan belt. If the belt is frayed or worn, replace it.
- f. Verify that all wire terminal connection are tight.
- g. Inspect the unit for unusual conditions such as loose access panels, leaking piping connections, etc. Make sure that all retaining screws are reinstalled in the unit access panels once this checks are complete.
- h. With the unit running, check and record the: ambient temperature; compressor suction and discharge pressure (each circuit); superheat (each circuit). Record these data on the maintenance log book.

Annual Service

- a. Wash evaporator and refrigerant coils and clean all dirt accumulation, using soft brush and sprayer, including water washer, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed) as necessary.
- b. Restore and straighten any bent coil fin with a fin comb.
- c. Operate equipment to check for proper operation and address/resolve all discrepancies.
- d. Certify performance of annual service. Submit maintenance report in writing to the HIDEOE FMB.

11. EVAPORATIVE CONDENSER

Monthly Service

- a. Check and adjust water make-up float valve and bleed rate.
- b. Check general condition of tower interior and water distribution pattern.
- c. Check and lubricate motor fan bearings.
- d. Check all drives for wear; adjust belt tension. Replace belts as required.
- e. Remove foreign material from inside the tower, vacuum basin residue as required.
- f. Check leaks, patch, correct immediately upon discovery or notification.

Semi-Annual Service

- a. Drain, clean and flush tower; provide water treatment service.
- b. Clean condenser suction screen, drift eliminators, spray nozzles and vacuum basin residue.
- c. Certify semi-annual cleaning of tower and correct and report all discrepancies.

12. CLEANING OF MECHANICAL EQUIPMENT ROOMS OR ENCLOSURES

Quarterly Service

CONTRACTOR shall perform the following services on a monthly basis:

- a. Vacuum or wipe clean all equipment surfaces and all related appurtenance.
- b. Vacuum clean or sweep complete floor and platform areas. DO NOT wet floor and platform area where there is no waterproofing.
- c. Keep all exterior louvers and screen free of built up dust and dirt.
- d. Mop complete floor area with tap water where allowed.
CAUTION: DO NOT splash water onto the electrical and mechanical equipment.
- e. Remove all used, deteriorated, replaced, discarded parts and related debris.

- f. Remove tall grass, brush or other vegetation within outdoor enclosures, which affects operation or maintenance of equipment.
- g. Notify the CA of any dangerous conditions, improper storage of furniture, materials and supplies which impacts your work within rooms and enclosures, including vandalism.

B. Water Treatment Service of Air Conditioning Systems

The CONTRACTOR shall perform Water Treatment Service to the Air Conditioning Systems when applicable. The CONTRACTOR shall be responsible to disassemble and reassemble the Air Conditioning Systems at no additional cost to the HDOE.

C. Holidays and Extended Break Schedule Programming of Air Conditioning Systems

1. The CONTRACTOR shall input school Holidays, including school extended break schedule for all air conditioning systems and related equipment capable of retaining a yearly schedule. Program all air conditioning systems and related equipment to stay off during the school-observed Holidays and on extended school breaks (Christmas, Spring, Summer and Fall) corresponding with the official school calendar for the current school year. Coordinate with the school on which rooms or office spaces need continuous air conditioning (e.g., server rooms, select offices, schools with multi-tract programs, etc.) so that those rooms/spaces are excluded from the Holiday and/or extended break air conditioning system shutdowns.
2. The CONTRACTOR shall put in manual mode (Manual ON/OFF) all air conditioning systems and related equipment not capable of retaining yearly schedule during the school's extended breaks (Christmas, Spring, Summer and Fall) corresponding with the official school calendar for the current school year. Coordinate with the school on which rooms or office spaces need continuous air conditioning (e.g., server rooms, select offices, schools with multi-tract programs, etc.) so that those rooms/spaces are excluded from the extended break air conditioning system shutdowns.

After the extended school break, return the air conditioning systems and related equipment to their normal schedule.

Section III: OTHER SERVICE REQUIREMENTS

1. REPORTS

- A. Service Reports. Whether for recurring maintenance, trouble shooting, or repairs, a service report shall be created for each and every service for the school. The service report forms shall be subject for approval prior to use and shall be properly completed at the time of the service. The service report shall include: day and date; start time; completion time; service performed; service person, Maximo work order number (for Trouble Calls), building letter, room number, equipment ID, and shall be certified (signed) by a representative of the school (Principal, Vice-Principal, SASA, Clerk or Custodians) after the work is completed that day. The CONTRACTOR shall provide a copy of the signed service report to the school by providing a binder, which shall be labelled as "HVAC Service Reports" to keep all the copies of the service reports for the school. The CONTRACTOR shall inform the school's administrative office personnel of the purpose of the binder and the school shall ensure that the binder is readily available to the CONTRACTOR's service technician(s) during school hours. It shall be the CONTRACTOR's responsibility to maintain the binder and ensure it is complete and available for inspection at the school sites.

The CONTRACTOR shall submit within 7 days of contract award a sample service report form to be used for troubleshooting and repairs for approval by the CA or appointed

representative (See above for the information that should be included in the service report form). For recurring maintenance, the sample form shown in Appendix I, "Recurring Maintenance Checklists" shall be used and submitted along with the service report. All items in the checklist shall be completed by the CONTRACTOR for payment to be approved and processed. The HIDOE reserves the right to provide the CONTRACTOR with a pre-printed or electronic PDF version maintenance worksheet to be completed by the CONTRACTOR when HIDOE deems necessary.

- B. A/C Replacement List. The CONTRACTOR shall submit the recommended A/C unit replacement list to the CA every year by the end of April. The A/C unit replacement list shall include the A/C information, such as the location, model number, serial number, manufacturer, installed date/ age, condition, expected life remaining and replacement priority ratings from one (1), two (2) and three (3), one (1) being the most urgent and three (3) being the least urgent.
- C. Updated Equipment Inventory. The CONTRACTOR shall submit an annual updated inventory of all equipment, complete with equipment information such as model and serial numbers, listed by building, during the contract period to the CA every year by the end of March.
- D. Maintenance Log Book. The CONTRACTOR shall provide and maintain a "maintenance log book" (log book) in the school's administrative office at all times. The purpose of this log book is to keep track of the CONTRACTOR's time and service on the school campus; e.g. sign-in and sign-out times. The CONTRACTOR shall inform the school's administrative office personnel of the purpose of this log book and the school shall ensure that the log book is readily available to the CONTRACTOR's service technician(s) during school hours.

2. WORK SCHEDULE

A. Maintenance and Repair Services

All repairs and maintenance services described herein shall be performed between the hours of 7:30 A.M. to 4:00 P.M. on normal working days, Monday through Friday, excluding state holidays unless requested otherwise by the HIDOE.

- 1. Monthly maintenance services shall be performed not less than three (3) weeks and no more than five (5) weeks from the last service period. The monthly service reports shall be certified by a representative of the school.
- 2. Quarterly maintenance services shall be performed in March, June, September and December on normal working days (Monday through Friday) or as coordinated by the CA. Quarterly maintenance reports shall be certified by a representative of the school.
- 3. Semi-Annual maintenance services shall be performed in April and October on normal working days (Monday through Friday) or as coordinated by the CA. Semi-Annual service reports shall be certified by a representative of the school.
- 4. Annual maintenance services shall be performed in November on normal working days (Monday through Friday) or as coordinated by the CA. Annual service reports shall be certified by a representative of the school.

B. Emergency Calls and Regular Trouble Calls

There are two types of trouble calls: regular trouble calls and emergency calls. The HIDOE reserves the right to determine if a trouble call is regular or emergency.

Emergency calls are defined as equipment and/or operating conditions that must be fixed immediately due to (1) equipment operating conditions posing imminent or immediate danger to HIDEOE personnel, (2) equipment operating conditions posing imminent or immediate damage to real property, and (3) HVAC equipment required to be operational at the discretion of the CA. Trouble calls that are not emergency calls as defined above are considered regular trouble calls. The CONTRACTOR will be notified if the trouble call is an emergency by the HIDEOE FMB dispatcher.

For regular trouble calls, the CONTRACTOR shall respond and complete the repair work within three (3) working days. For emergency calls, the CONTRACTOR shall respond within four (4) hours after the notification and the emergency condition shall be mitigated within the day of the call.

Emergency Calls and Regular Trouble Calls Procedures

1. School submits a Work Order (WO) through the HIDEOE automated work order system (Maximo) to report an HVAC problem to the HIDEOE FMB.
2. CONTRACTOR **shall NOT** respond to trouble calls directly from schools. If the school calls the CONTRACTOR directly, the CONTRACTOR shall inform schools to submit a Maximo WO to the HIDEOE FMB.
3. HIDEOE FMB notifies the CONTRACTOR of problem and provides the CONTRACTOR with a Maximo WO number for reference.
4. The CONTRACTOR shall, on the following day, email and report to the HIDEOE FMB the status of the emergency or regular trouble call by the referenced Maximo WO number. If repair is not completed, the CONTRACTOR shall inform the HIDEOE FMB of the problem or cause of delay and provide an estimated completion date.
5. The CONTRACTOR shall submit an emailed report in the form of a Microsoft Excel file as formatted by CA with status update (e.g., cost proposal submitted to HIDEOE, waiting for ordered parts with estimated arrival date, repair completed, etc.) of all trouble calls once a week. For all outstanding trouble calls, the CONTRACTOR shall provide an explanation of the progress of repair and estimated completion date.

The CONTRACTOR shall be responsible for all costs of responding to the trouble or emergency calls regardless of the reason(s) for the call.

3. PARTS AND MATERIALS

The CONTRACTOR shall restore to serviceability all parts that are found to cost less to restore than to replace with a new part. Where parts are worn out, doubtful and cannot be restored, the CONTRACTOR shall replace these parts with new parts. Only new, standard parts manufactured by the maker of each unit or parts of equal quality shall be used.

The CONTRACTOR shall maintain a supply of parts and material that are required for normal repairs of the air conditioning and ventilating equipment. The CONTRACTOR shall notify the HIDEOE whenever parts are not locally available to accomplish the repairs. The HIDEOE reserves the right to request the parts shipped by air freight, at the expense of the HIDEOE.

Should the CONTRACTOR elect to purchase parts from the mainland at reduced prices, even though the part is available locally, the HIDEOE reserves the right to require the CONTRACTOR to air express (next day delivery) the parts at the CONTRACTOR's expense.

The CONTRACTOR shall include in the price proposal all costs necessary to maintain a supply of refrigerant (virgin or equal quality) for the life of the contract and shall maintain a record of refrigerant usage for each location and comply with all government regulations, and shall indemnify and defend the HIDEOE from all legal and financial liabilities with regard to these regulations. Recovery or storage of refrigerant shall be included at no additional cost to the HIDEOE. **Topping off, refilling and/or recharging refrigerant for maintenance and repair work shall be included in the price proposal.**

4. MANPOWER FOR MAINTENANCE SERVICE AND REPAIR WORK

Offeror must be able to produce documented certificates to substantiate claims of having certified technicians as indicated in the following paragraphs under this section. Falsification of personnel qualifications shall constitute a major breach of obligation.

The CONTRACTOR shall assign sufficient qualified HVAC certified Journeyman Technicians for this contract; preferably a total of seven (7) Journeyman Technicians, including one (1) who possesses reciprocating and/or screw chiller training and at least two (2) who possesses inverter technology (or comparable) training. Each Journeyman Technician shall have successfully completed at least 2 years of an accredited HVAC program for a journeyman level, shall have a refrigerant universal certification classification, and a minimum of five (5) years of field experience in accordance with the requirements of the latest edition of the American Society of Mechanical Engineers standards and all other applicable laws, including, but not limited to, regulations, rules ordinances, codes, and the best commercial practices governing the maintenance of the types of air conditioning and ventilation systems and services as specified herein or the manufacturer's original specifications, whichever is more stringent. **No apprentice technician shall be assigned to perform any work specified in this solicitation.**

The CONTRACTOR shall complete and submit Appendix E – HVAC Technician Qualification form, consisting of a list of assigned service technicians with their qualifications (with a copy of the required training certification(s) of the technicians) and their respective vehicle license number for approval by the CA. A service technician that is already assigned to an existing HIDEOE HVAC service contract cannot be included on the list of technicians assigned for this contract. A service technician can only be assigned once to any of the HIDEOE's air conditioning and ventilating equipment service contracts.

The HIDEOE reserves the right to require the CONTRACTOR to remove any of its employees from performing work under the contract if the HIDEOE is not satisfied with the technician's performance. The CA shall notify the CONTRACTOR in writing and this exclusion of a specific technician shall take effect as indicated on the notice. The CONTRACTOR shall provide a qualified replacement within 30 calendar days for CA's approval.

The CONTRACTOR shall submit any changes in personnel to CA for approval prior to making those changes. The CONTRACTOR shall provide documentation to show the number of Journeyman Technicians assigned to the contract every year before the contract extension or upon request by the CA or appointed representative. The HIDEOE reserves the right to order the CONTRACTOR to increase their manpower when the existing manpower is deemed insufficient to perform the contract required maintenance and repair services (e.g., delayed response to trouble calls, maintenance service and repair completions).

5. INSPECTIONS

All work performed by the CONTRACTOR shall be subject to random periodic inspection and testing by the CA or the POC. The HIDEOE reserves the right to have the CONTRACTOR present at such inspections to be scheduled by the HIDEOE periodically.

On two (2) separate days each month, the CONTRACTOR shall accompany the CA on a random inspection of schools (no more than two (2) schools each day). The purpose of the random

inspection is for the CONTRACTOR to demonstrate to the CA that the work was performed in accordance with this contract. The CA shall notify the CONTRACTOR of the date and time of each inspection one (1) week prior to the actual inspection. The school to be inspected shall be provided by the CA to the CONTRACTOR on the morning of the random inspection. The CONTRACTOR shall provide his own transportation to and from the inspection sites. During the random inspection, the CONTRACTOR shall point out service/work that was performed during the recurring maintenance and/or authorized repair.

The CONTRACTOR shall be required to attend HVAC project pre-final inspections, final inspections, pre-maintenance turnover inspections and trainings for any newly installed equipment prior to the acceptance of those equipment by HIDEOE and inclusion in the maintenance schedule.

6. IRREPARABLE OR OBSOLETE EQUIPMENT ASSESSMENTS

Whenever the CONTRACTOR'S assessment of an HVAC system or air conditioning equipment or unit is either irreparable, obsolete or need replacement, the CONTRACTOR shall justify and prove his assessment is true and accurate at CA's satisfaction. The CONTRACTOR shall submit an equipment assessment letter that includes the system or equipment information, detailed explanation of the issues, evaluations and other considerations validating the assessment. The Contractor shall document testing and/or troubleshooting performed and shall attach the result as part of the backup information for the irreparable assessment letter. An addition, any assessment by the CONTRACTOR that the equipment is obsolete and beyond repair, such claim shall be validated with a manufacturer's obsolescence certification and subject to CA's approval. The CONTRACTOR shall take photos and/or videos of the irreparable equipment as part of the required backup documentation and shall be submitted to the CA for review and approval. Unless the CA approves irreparable or obsolete equipment assessments, the CONTRACTOR shall continue maintenance and repair services on the equipment.

The same procedure above applies and must be followed when CONTRACTOR's assessment of an equipment is that repair is impractical compared to replacement. The CA will make the final determination on whether or not an equipment/unit needs replacement.

7. CLEANUP AND WORK PRACTICES

The CONTRACTOR shall keep the job site free of debris, including but not limited to, litter, refuse, shop towels, worn/damaged, discarded parts, and shall clean and remove all fluids, oil, grease drippings or spills during the daily progress of work. The CONTRACTOR shall remove all tools, used parts, fluids and lubricants, and equipment from the service area upon completion of the work. CONTRACTOR shall also legally dispose of used parts, fluids, oils and lubricants, whether hazardous or not, in accordance with the Environmental Protection Agency (EPA) and/or other government regulations including providing written records, as required. The CONTRACTOR shall support, hold harmless and protect the HIDEOE legally and financially with regard to these regulations.

CONTRACTOR shall exercise caution during the progress of maintenance and repair work to prevent damage to any of the building utilities and structure. The CONTRACTOR shall immediately restore and correct all damaged equipment and property caused by the CONTRACTOR's negligence, by CONTRACTOR's employees or equipment, at the CONTRACTOR's own expense when/as requested by the HIDEOE and to the CA's satisfaction. If such repairs are not completed immediately, the CA reserves the right to purchase, in the open market, a corresponding quantity of the services specified herein, and to deduct from any moneys due or that may thereafter become due to the CONTRACTOR, the difference between the price named in the contract and the actual cost to the State. In case any money due the CONTRACTOR is insufficient for said purpose, the CONTRACTOR shall pay the difference upon demand from the HIDEOE. The HIDEOE may also utilize all other remedies provided by law.

8. SAFETY PRECAUTIONS

Whenever maintenance and repair work is performed during school hours when the site is accessible to school children and other people, the CONTRACTOR shall not perform work until all safety-type barricades are in place. The CONTRACTOR shall not perform maintenance and repair work until all switches are de-energized, locked, and tagged. All services, equipment and/or parts to be provided by the CONTRACTOR shall comply with all applicable federal, state and City & County safety requirements, especially the provisions of the Occupational Safety and Health Act (OSHA), EPA, and other governmental agencies. The CONTRACTOR shall be responsible to provide appropriate safety equipment in order to comply with OSHA for worker protection at all maintenance service and repair locations at all times.

CONTRACTOR shall submit copies of Material Safety Data Sheets (MSDS) to the HIDEOE FMB prior to taking any chemicals to the schools. CONTRACTOR shall submit their policy statement regarding venting, recovery, recycling, and replacement of Chlorofluorocarbon (CFC) and Hydrochloroflourocarbons (HCFC) or other refrigerant products for HIDEOE FMB review and approval. CONTRACTOR shall track refrigerants used on site including current inventory, equipment leaks, and leakage rates and shall submit report to HIDEOE FMB on a semi-annual basis.

9. SECURITY REQUIREMENTS

The CONTRACTOR must be aware of the heightened security conditions at the HIDEOE schools covered by this contract. The CONTRACTOR must be aware of and report to the CA, with as much detailed information as possible, any suspicious activity or obvious breach of security in relation to or in the course of their work at any of the school facilities. The CONTRACTOR must keep their work areas closed and secure, before, during, and after performing work. The CONTRACTOR must ensure all areas provided access to, are closed and secured when exiting the premises.

The CONTRACTOR shall schedule and coordinate maintenance service, emergency or repair work at school facilities in advance before work can commence. A letter from the CA to the respective school(s) may be required before work can commence. The CONTRACTOR is also required to submit a list of personnel assigned to this contract, on company letterhead, to the CA within seven (7) days of Contract Award. The CONTRACTOR shall submit any changes in personnel to CA for approval prior to making those changes. The HIDEOE reserves the right to request background security checks for each person assigned to this contract.

The CONTRACTOR's vehicles and personnel shall be properly identified as belonging to the CONTRACTOR, through company signage/logos, uniforms, name tags or identification cards as appropriate to comply with this requirement.

Section IV: REPAIRS FOR DUCTLESS SPLIT SYSTEMS, FRESH AIR FANS AND DEHUMIDIFIERS AUTHORIZED BY THE CA (ESTIMATED MAN-HOURS: 800 HOURS PER YEAR)

The estimated man-hours for repairs on ductless split systems, fresh air fans and dehumidifiers ordered and authorized by the CA is 800 per year. This is only an estimate and is not guaranteed. Hence, the actual man-hours may or may not exceed this number.

The repair work shall apply only to Ductless Split Systems, Fresh Air Fans and Dehumidifiers and only when required and ordered by the CA. This may include trouble shooting, repair and/or complete replacement of a Fan Coil Unit (FCU), Air-Cooled Condensing Unit (ACCU), including replacement of a Dehumidifier and Fresh Air Fan (refer to Appendix H, Exhibit B – Ductless Split, Fresh Air Fan & Dehumidifier Equipment List for sample of equipment that the CA may order repairs at any HIDOE school or office located in the Leeward District.

When repair of a Ductless Split System, Fresh Air Fan or Dehumidifier is ordered and authorized by the CA, the CONTRACTOR shall promptly, within 48 hours from CA's order, provide the CA with a written estimated cost proposal for approval. The cost proposal shall contain information such as description and breakdown of materials, parts and labor costs, estimated time of arrival (ETA) for parts, estimated repair or service completion date and additional supporting data as required to justify costs. If approved by the CA, a purchase order shall be issued to the CONTRACTOR. Unless the CONTRACTOR is given a separate purchase order authorizing him to perform repairs, the HIDOE shall not be held responsible for payment of any such work performed except where CONTRACTOR'S advance approval request was granted for emergency repair work with either the total estimated labor hours not exceeding five (5) hours or the total estimated cost not exceeding \$1000. It is understood that the CONTRACTOR shall charge only for the actual labor hours spent for the duration of the repairs as reflected on service report certified or signed by a school representative. The CONTRACTOR cannot charge the whole estimated labor hours on his cost proposal if the actual labor hours spent comes out less. If the CA and the CONTRACTOR cannot agree on the price, the HIDOE reserves the right to make other arrangements to complete the repair work, including but not limited to a formal HDOE solicitation.

For repairs ordered and authorized by the CA, the HIDOE shall compensate the CONTRACTOR for replaced mechanical parts, units or components and the connected accessories at supplier's invoice price plus a mark-up not exceeding twenty percent (20%), which shall include the cost of material, shipping cost if applicable, overhead, profit, taxes and any other incidental expenses. Compensation for labor shall be in accordance with the CONTRACTOR'S hourly labor rate price. Please see Special Conditions, Invoicing and Payment sections for other requirements regarding invoicing and payment.

The HIDOE reserves the right to request expedited shipping of parts either by air freight or air express (next day delivery), if not available locally, at the expense of the HIDOE. The CONTRACTOR shall notify the CA or the POC when repair work is completed. The CA or the POC reserves the right to inspect the completed work to verify the work is complete and acceptable. The CONTRACTOR shall provide a service report (see Section III, Item 1, A) with a detailed summary of work performed, including photos taken at the same angle that clearly shows the condition of the device/equipment before and after the repair work was completed.

Section V: REPAIRS FOR UNFORESEEN EVENTS AUTHORIZED BY THE CA (ESTIMATED MAN-HOURS: 240 HOURS PER YEAR):

The estimated man-hours for repairs for unforeseen/unusual events authorized by the CA is 240 per year. This is only an estimate and is not guaranteed. Hence, the actual man-hours may or may not exceed this number.

This repair shall apply only to damages attributed to vandalism, fire, theft, storm, rain storm, flood, lightning and other damages caused by unforeseen or unusual events (Gecko-caused damages are not considered unusual event; electrical supply issues such as surge or power fluctuations in classrooms or buildings, or involving only two (2) or three (3) equipment, are not considered as unusual event) as determined solely by the CA. Additionally, these repairs apply only to equipment listed in Appendix G, Equipment Inventory, and future equipment inventory updates via contract modifications. However, the CONTRACTOR shall be responsible for such repairs and associated costs if the damages are caused by the CONTRACTOR's failure to properly maintain and repair the equipment or caused by CONTRACTOR's negligence, e.g., failure to reinstall protective covers causes motor, compressor or condenser to burn during rainstorm/thunderstorm.

When a repair due to unforeseen or unusual event is authorized by the CA, the CONTRACTOR shall promptly, within 48 hours from CA's order, provide the CA with a written estimated cost proposal for approval. The cost proposal shall contain information such as description and breakdown of materials, parts and labor costs, estimated time of arrival (ETA) for parts, estimated repair or service completion date and additional supporting data as required to justify costs. If approved by the CA, a purchase order shall be issued to the CONTRACTOR. Unless the CONTRACTOR is given a separate purchase order authorizing him to perform repairs, the HIDEOE shall not be held responsible for payment of any such work performed except where CONTRACTOR'S advance approval request was granted for emergency repair work with either the total estimated labor hours not exceeding five (5) hours or the total estimated cost not exceeding \$1000. It is understood that the CONTRACTOR shall charge only for the actual labor hours spent for the duration of the repairs as reflected on service report certified or signed by a school representative. The CONTRACTOR cannot charge the whole estimated labor hours on his cost proposal if the actual labor hours spent comes out less. If the CA and the CONTRACTOR cannot agree on the price, the HIDEOE reserves the right to make other arrangements to complete the repair work, including but not limited to a formal HDOE solicitation.

For repairs due to unforeseen or unusual event is authorized by the CA, the HIDEOE shall compensate the CONTRACTOR for replaced mechanical parts, units or components and the connected accessories at supplier's invoice price plus a mark-up not exceeding twenty percent (20%), which shall include the cost of material, shipping cost if applicable, overhead, profit, taxes and any other incidental expenses. Compensation for labor shall be in accordance with the CONTRACTOR'S hourly labor rate price. Please see Special Conditions, Invoicing and Payment sections for other requirements regarding invoicing and payment.

The HIDEOE reserves the right to request expedited shipping of parts either by air freight or air express (next day delivery), if not available locally, at the expense of the HIDEOE.

The CONTRACTOR shall notify the CA or the POC when repair work is completed. The CA or the POC reserves the right to inspect the completed work to verify the work is complete and acceptable. The CONTRACTOR shall provide a service report (see Section III, Item 1, A) with a detailed summary of work performed, including photos taken at the same angle that **clearly** shows the condition of the device/equipment before and after the repair work was completed.

Note that this contract is specifically geared toward maintenance and repairs, and some equipment repair by replacement including overhauls. Repair by replacement due to obsolescence or beyond repair condition of individual units (e.g., ACCU, AHU), as determined by the CA, is authorized under this contract, however, for HVAC systems requiring replacement of multiple units, complete system replacement, or requiring a new design for upgrades to meet new design criteria, the HIDEOE reserves the right to defer repair and or replacement of the equipment, outside of this contract.

3.5 OFFER QUALIFICATIONS

The purpose of the Offeror Qualifications section is to provide HIDOE the ability to verify the experience and knowledge claims made in the proposal by the Offeror and to assess the Offeror's prior record in providing services to other organizations.

Minimum Qualifications of the Offeror are as follows:

3.5.1 Offeror Background and Experience

Permanent Office Facility Location

At the time of proposal due date and during the term of the contract, Offeror shall have a permanent office facility location on the Island of Oahu:

- Where they conduct business and will be accessible to telephone calls during normal business hours, 7:45 a.m. to 4:30 p.m., for complaints or emergency service requests that need immediate attention. An answering service (not machine) or cell phone is acceptable provided a response is made within two (2) hours of the initial call.
- For warehousing of parts, refrigerant and materials required for the maintenance and repair of equipment listed in this contract.
- From where journeyman and assistant-to-the journeyman refrigeration/air conditioning technicians are dispatched to perform the work specified in this contract.

Location, contact person, business hours, and telephone number of office and cell or answering service shall be furnished on the applicable offer page.

Experience

The Offeror shall have a minimum of five (5) consecutive years of experience, immediately prior to the proposal due date, in the field of Heating, Ventilation and Air Conditioning (HVAC) equipment maintenance and repair services. If Offeror is owned by a parent company in which the parent company has the required five (5) years of experience, the offeror shall also qualify for the experience required pending verification. All offerors must be able to produce documented air conditioning maintenance service experience to substantiate their claim of experience.

3.5.2 Permits, Certifications, and Licenses

The Offeror shall possess a valid State of Hawaii CONTRACTOR C-52 license, which will be kept in force during the life of this contract. Offeror shall provide the license number and all necessary documentation (e.g., copy of license) to substantiate Offerors compliance with this requirement in Offerors proposal.

The Offeror shall comply with all business registration requirements. Failure to comply with the requirements of this paragraph may be grounds for a Proposal to be rejected, an award of Contract to be cancelled, or the awarded Contract to be terminated.

3.5.3 Offeror Reference Checks

Offeror shall provide the names of at least three (3) references in the State of Hawaii, other than the State of Hawaii government, for whom the Offeror has provided or is currently providing maintenance servicing and repairs of air conditioning and ventilating equipment on a regular basis, that is similar in nature and volume (annual dollar value for the two combined referenced contracts shall be equal to or greater than \$50,000.00 per year) to the services specified in this offer, that shall qualify offeror to perform the project. The HIDOE reserves the right to contact these references to verify Offeror's quality level and reliability. Should any work performed for the references be proven unsatisfactory, the offeror's offer may be rejected.

3.5.4

Failure on the Offeror's part to meet the requirements herein may result in a determination of non-responsiveness and subsequent disqualification of Proposal. These requirements shall remain in effect throughout the entire contract period. Failure to maintain these requirements may result in cancellation of award or early, partial or termination of a contract.

4. PROPOSAL

4.1 General Requirements

4.1.1 Any and all costs incurred by an Offeror in preparing and submitting a Proposal and conducting discussions, if any, shall be at the Offeror's sole expense and are the Offeror's sole responsibility. This includes the cost of any visits to client references, and HIDOE locations by an Offeror, but does not include any costs incurred by the HIDOE or its representatives for Offeror demonstrations or site visits.

4.1.2 Before submitting a proposal, each Offeror must examine the solicitation documents thoroughly. Solicitation documents include this RFP, any attachments, and any other relevant documentation.

4.1.3 Offerors are charged with presumptive knowledge of all requirements of all cited authorities. Offeror must become familiar with state, local, and federal laws, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the work before submitting a proposal. Submission of a valid executed proposal by any prospective Offeror shall constitute admission of knowledge on the part of such Offeror.

4.1.4 The Scope of Work, Minimum Contract Provisions, General Conditions and other documents referenced in or attached to the proposal shall be considered a part of the proposal submitted, whether or not attached to the proposal at the time of submission. Such documents shall not be altered in any way; any alterations so made by the Offeror may result in rejection of the proposal.

4.1.5 Submission of a proposal shall constitute an incontrovertible representation by the Offeror of understanding, acceptance, and compliance with every requirement of this RFP, and that the RFP documents are sufficient in scope and detail to indicate and convey reasonable understanding of all terms and conditions of performance of the work.

4.1.6 Any proposal may be withdrawn at any time prior to but not after the hour fixed by public notice as the deadline for receipt of offers, provided that a request in writing, executed by the Offeror or the duly authorized representative, and is filed with the Procurement and Contracts Branch. The withdrawal of a proposal shall not prejudice the right of an Offeror to submit a new proposal, but any such new proposal must still be received before the stated deadline.

4.1.7 A proposal that contains any omission, erasure, addition not called for, conditional offer or irregularity of any kind may be rejected. Corrections, if necessary, shall be made by lining out the materials to be corrected and by inserting the correction as close to the line-out as possible. Every such correction must be initialed by authorized individual signing the Proposal Identification and Information Form.

4.2 Confidential Information in Proposal

The contents of any proposal shall not be disclosed during the review, evaluation, or discussion process. Once the notice of the award is posted, all proposals (both successful and unsuccessful) become available for public inspection.

If an Offeror believes that any portion of the proposal contains information that should be withheld as confidential, then the Procurement and Contracts Branch should be so advised in writing. Offeror shall request in writing nondisclosure of designated trade secrets or other proprietary data to be confidential. Such data shall accompany the Proposal, be clearly marked, and shall be readily separable from the Proposal in order to facilitate eventual public inspection of the non-confidential portion of the Proposal.

Whether those parts shall remain confidential will be determined under § 3-122-58(b), HAR and Chapter 92F, HRS. Pursuant to Section 3-122-58, HAR, if a person requests to inspect the portions of a proposal designated as confidential, the head of the purchasing agency or designee shall consult with the Attorney General and make a written determination in accordance with Chapter 92F, Hawaii Revised Statutes (HRS). If the request for confidentiality is denied, such information shall be disclosed as public information, unless the person appeals the denial to the Office of Information Practices in accordance with Section 92F-42(12), HRS.

4.3 Proposal Preparation

One of the objectives of this RFP is to make proposal preparation easy and efficient, giving offerors ample opportunity to highlight their proposals. The evaluation process must also be manageable and effective. When an offeror submits a proposal, it shall be considered a complete plan for accomplishing the tasks described in this RFP and any supplemental tasks the offeror has identified as necessary to successfully meet the obligations outlined in this RFP.

The proposal shall describe in detail the offeror's ability and availability of services to meet the primary project goal of this RFP as stated herein. Proposals shall be prepared in a straightforward and concise manner, in a format that is reasonably consistent and appropriate to the purpose of this RFP. Emphasis shall be on completeness and clarity of content. If any additional information is required by the HIDEOE regarding any aspect of an offeror's proposal, such information shall be provided within two (2) business days of the HIDEOE's request unless otherwise stated or directed by HIDEOE.

4.4 Proposal Security

A Bond is not required if submitting a Proposal.

4.5 Proposal Submission and Format

This section prescribes the standard format for a proposal submitted in response to this RFP.

Offeror shall submit a Proposal using the exact forms or reproductions of such forms as provided and as otherwise instructed by this RFP. Failure to comply may result in a determination that the proposal is non-responsive.

The standard format will facilitate the HIDEOE's review, comparison, evaluation of proposals, and verification as to whether the minimum requirements are met by each Offeror and the Offeror's Proposal. The format is not intended to limit the content of a proposal in any way. The offeror may include any additional data or information that is deemed pertinent to this RFP.

Unless otherwise noted, proposal shall be submitted as follows:

4.5.1 Copies. Offeror shall submit one (1) original and five (5) hard copies

4.5.2 Offeror shall submit the signed proposal in a sealed envelope, package or container, together with the required offer security, if any. The envelope, package or container shall be clearly identified with the RFP number and the name and address of the Offeror.

4.6 Proposal Organization and Content

Sections of the proposal shall be separated using index dividers. Proposals shall be organized in this order:

Table of Contents:	The table of contents shall clearly identify the material by section and by page number.
Section 1:	Proposal Identification and Information Form (See Appendix A), Offeror Information (See Appendix B), Wage Certificate (See Appendix D)
Section 2:	Executive Summary
Section 3:	Offeror Qualifications (including subsections) Offeror History and Background, Offer Reference Form (See Appendix C), HVAC Technician Qualification Form (See Appendix E)
Section 4:	Subcontractors (if any)
Section 5:	Offeror Financials
Section 6:	Price Proposal (See Appendix F and G)
Attachment A:	Proof of Compliance Documents

Additional information about specific requirements of each section follow.

4.7 Proposal Identification and Information Form (Appendix A)

Offeror shall submit the Proposal under the company's exact legal name as registered with the Department of Commerce and Consumer Affairs, if applicable, and shall indicate exact legal name in the appropriate space on the Proposal Identification and Information Form. Failure to do so may result in rejection of the proposal or delay proper execution of a resulting contract, if any.

The authorized signature on the Proposal Identification and Information Form shall be an original signature in ink. If unsigned or if the affixed signature is other than an original signature (such as a facsimile or a photocopy), the proposal shall be automatically rejected unless accompanied by other material containing an original authorized signature, indicating the Offeror's intent to be bound.

4.8 Executive Summary

The executive summary shall summarize the contents of the Proposal in a way that gives readers a broad understanding of the entire Proposal and must also contain the following:

Terms and Conditions - A statement that the Offeror understands and shall comply with all terms and conditions of the RFP (including the General Conditions). If an Offeror does not plan to comply with one or more of the terms or conditions of the RFP, this must be stated; All exceptions must be listed and fully described. The HIDOE reserves the right to accept or not accept any exceptions.

Assumptions or Constraints - A statement on whether the Proposal contains any assumptions or constraints and must also identify and describe each such assumption and constraint. If neither assumptions nor constraints are included in the Proposal, a statement to that effect must be made.

Deviations - If the Proposal deviates from the specifications or requirements of the RFP, a statement must be included identifying and describing each such deviation. If no deviations are included in Offeror's Proposal, a statement to that effect must be made.

Subcontracting - A statement that the products and services of the proposed solution shall be provided solely by the Offeror or whether a subcontractor(s) shall assist. The Offeror's use of subcontractor(s) requires the prior written approval of the HIDOE.

Taxable Transaction - Work to be performed under this solicitation is a business activity taxable under Chapter 237, HRS, and vendors are advised that they may be liable for payment of the Hawaii General Excise Tax (GET). If an Offeror is a person exempt by the HRS from paying the GET and therefore not liable for the taxes on this solicitation, Offeror shall state its tax exempt status and cite the HRS chapter or section allowing the exemption.

Pending Litigation - The Offeror shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgment. If applicable, please explain how litigation may materially impact the Offeror or the Offeror's ability to fully perform and complete the contract.

Other Notable Items - The Offeror shall disclose any other items of note that may have material impact on the Offeror or the Offeror's ability to fully perform and complete the contract.

4.9 Offeror Qualifications

This section of the Proposal shall include the following:

Offeror History and Background. The Offeror shall describe its corporate background and experience including its size and resources, details of corporate experience relevant to the project and a list of other current or recent related projects by providing the following:

- General information about the Offeror's organization
- Ownership (e.g., public company, partnership, or subsidiary)
- Corporate office location
- Number of HVAC certified journeyman technicians available to support trouble shooting, repairs, and maintenance efforts
- Number of vehicles and equipment available to support HVAC maintenance and repair services

Offeror References. The proposal shall include at least three (3) recent client references relevant to this project and that demonstrate the Offeror's qualifications and experience. (See Offeror Reference Form in "Appendix C, Proposal Forms.") Information provided to include the name of the client organization; name, title, and telephone number of the contact person; date, duration and brief description of work performed for the client, time period of the project and the computer environment used for work order tracking and progress reporting. The Offeror grants the HIDOE authorization to contact any of the Offeror's previous clients, including but not limited to these client references, to evaluate the Offeror and its work. HIDOE site visits, if any, will be conducted at one or more of the client reference sites as applicable.

4.10 Offeror Financials

Included in Attachment 3, Offeror's Financials, of the Proposal shall be the financial statements of the Offeror, preferably audited, for the previous three (3) years. If this data is unaudited, copies of filed tax returns must be provided.

4.11 Subcontractors

The Offeror may propose to fulfill any of the responsibilities outlined herein by entering into a sub-contract with an individual, organization, or other entity that possesses the requisite expertise to fulfill the requirements of the RFP. The Offeror shall retain sole responsibility for the completion of all tasks. The use of sub-contractors shall not place additional burdens or demands on the HIDOE (e.g., coordinating with staff from multiple CONTRACTORS).

For any item listed herein to be fulfilled by a sub-contractor, the Offeror shall provide a description of the proposed partner and the sub-contractor's capability to meet the demands of the RFP. In the event the Offeror elects to engage the participation of a sub-contractor, the HIDOE retains the right to approve the selection of the sub-contractor and the proposed role that the Offeror shall fulfill under this contract.

If a proposal involves the use of any subcontractor, the subcontractor shall also comply with the Offeror qualifications requirements identified in the following sections:

Offeror History and Background
Offeror References
Offeror Financials

4.12 Price Proposal

The price proposal shall be inclusive of all costs, direct or indirect, and all applicable taxes, as required for the fulfillment of the contract and all RFP requirements.

The price proposal must address and complete all tasks described in the scope of work, and any other tasks necessary, and specify all costs to be incurred within the contract period on Appendix F and G.

4.13 Attachments

This section of the Proposal shall include any other attachments.

4.14 Proof of Compliance Documents

Offeror is advised that if awarded a Contract under this RFP, Offeror shall, upon award of Contract, furnish the required certificates and documentation (refer to RFP section regarding Responsibility of Offerors). In order to expedite contract execution, if any, it is highly recommended that the certificates be submitted with the Offeror's Proposal as follows, one (1) original only:

- A. Certificate of Compliance as issued by the Hawaii Compliance Express online system
- B. Certificate of Insurance (refer to RFP section regarding Liability Insurance and Certificates)

4.15 Certification of Independent Cost Determination

By submitting a proposal in response to this solicitation, Offeror certifies as follows:

4.15.1 The costs in this RFP have been arrived at independently, without consultation, communication, or agreement with any other Offeror, as to any matter relating to such costs for the purpose of restricting competition.

4.15.2 Unless otherwise required by law, the costs which have been quoted in this RFP have not been knowingly disclosed by the Offeror prior to award, directly or indirectly, to any other Offeror or competitor prior to the award of the contract.

4.15.3 No other attempt has been made or will be made by the Offeror to indicate any other person or firm to submit or not to submit for the purpose of restricting competition.

5. PROPOSAL EVALUATION

The HIDOE reserves the right to reject any or all Proposals, and waive any defects if the HIDOE believes the rejection or waiver to be in the best interest of the HIDOE.

The evaluation will be based solely on the evaluation criteria detailed in this RFP, and shall be performed by the selected members of the Evaluation Committee consisting of at least three (3) governmental employees with sufficient qualifications and experience in this area.

Evaluation criteria and the associated points are listed below. Quantitative scoring techniques will be utilized to maximize the objectivity of the evaluation.

A contract may be awarded on the basis of initial Proposals received, without discussion. Therefore, each initial proposal shall contain the Offeror's best terms from a technical and cost/price standpoint.

Proposals may be classified initially as acceptable, potentially acceptable, or unacceptable. Discussions may be conducted with Offerors who submit proposals determined to be acceptable or potentially acceptable of being selected for award, but proposals may be accepted without such discussions.

The final selection of a Successful Offeror, if any, will be made in accordance with the evaluation criteria as specified herein.

5.1 Evaluation Process Overview

The Evaluation Committee will apply a numerical rubric to evaluate the proposals. The following sections describe the evaluation process in more detail.

- Phase 1: Preliminary Evaluation of Proposals
- Phase 2: Rating and Determination of Priority Listed Offerors
- Phase 3: Discussion with Priority-Listed Offerors (at HIDOE's option)
- Phase 4: Best and Final Offers (at HIDOE's option)
- Phase 5: Selection and Award

5.2 Evaluation Criteria

Scoring under this RFP shall be based on a total of 500 points. Proposers must score a minimum of 375 points to be considered for award. Proposals that score less than 375 points will be rejected and shall not be considered for award.

For evaluation purposes, pursuant to §103D-1008, HRS, a tax-exempt proposal submitted in response to a solicitation shall be increased by the applicable retail rate of general excise tax and the applicable use tax. Under no circumstance shall the dollar amount of the award include the aforementioned adjustment.

Executive Summary (Maximum points: 50)

The Executive Summary shall condense and highlight the contents of the Proposal in such a way as to provide a broad but clear understanding of the entire Proposal, including the scope of work and special conditions. Address, in summary form, the major elements of your Proposal that you would like to highlight for the evaluator's attention, and any aspect of your company's service offering that you feel is not adequately addressed elsewhere within the required proposal format.

In addition, the following three specific questions must be addressed under separate headings within this section:

- a. What makes your company, and your Proposal uniquely well suited to the STATE's requirement?

- b. What specific elements of your Proposal do you believe will exceed the STATE's maintenance service and repair requirements?
- c. What factors differentiate your company's approach to repairs and maintenance service delivery from that of your competitors?

Company Profile (Maximum points: 50)

This section shall include the background of the company, and its size and resources relevant to the Contract. The Proposal shall include the following:

- a. Number of years in the business and description of the services provided.
- b. Number of years performing air conditioning and ventilating equipment maintenance and repair services specified in this RFP.
- c. Number of vehicles/equipment which will be used to serve this Contract.
- d. Clearly state the steps and efforts needed to perform and accomplish all recurring maintenance tasks or services, including repairs, on applicable HVAC equipment.

Air Conditioning and Ventilating Equipment Preventive Maintenance Service Contract Experience (Maximum points: 200)

The Offeror shall have a minimum of five (5) consecutive years of experience, immediately prior to the proposal due date, in the field of Heating, Ventilation and Air Conditioning (HVAC) equipment maintenance and repair services. The Offeror shall include at least three (3) recent client references relevant to this project and that demonstrate the Offeror's qualifications and experience, including customer's satisfaction on the following service performance:

- o Responsiveness to work orders and inquiries
- o Quality of recurring maintenance work
- o Quality and reliability of trouble shooting, installation and repair work
- o Accuracy and timeliness of proposals, invoices, status updates

Key Personnel (Maximum points: 50)

For each position listed below, complete the appropriate form for employees who will be working in this contract:

- a. Certified Journeyman Technician(s): Complete **Appendix E** and attach a resume for each.
- b. Certified Journeyman Technician's Supervisor(s): Complete **Appendix E** and attach a resume for each.
- c. Operations and/or Field Manager(s): Attach a resume for each.

Offerors' total number of qualified journeyman technicians assigned to this contract will be verified and will be scored accordingly.

Price (Maximum points: 150 pts)

A total of 150 points will be awarded to the lowest of the submitted price proposals (Items No. 1-3). Proposals with higher prices will receive a fraction of 150 points; the number of points assigned to higher priced proposals will be determined by the following formula: lowest proposal price multiplied by the maximum point available for price, divided by the higher proposal price. The fractional value of points to be assigned will be rounded to one decimal place.

Example: Lowest price proposal was \$100,000 and receives 150 points. The next lowest cost proposal was \$120,000 and receives 125 points $[(\text{Lowest Proposal Price}) \times (150)] / (\text{Higher Proposal Price})$.

5.3 Preliminary Evaluation

A preliminary evaluation shall determine whether each proposal is considered responsive, thus justifying further evaluation. In its preliminary evaluation, the HIDEOE will examine the completeness of each proposal, and its compliance with the instructions, terms and conditions in this RFP. Subsequent review and evaluation will be based on the criteria stated in the following sections. Any proposals that are incomplete or that do not comply with the instructions or terms and conditions shall be rejected by the HIDEOE and excluded from further consideration.

Responsive proposals must meet all submittal requirements and the minimum eligibility requirements described in the RFP.

5.4 Priority-List of Offerors

Before conducting discussions, a priority list shall be generated by the Evaluation Committee. In order to generate a priority list, proposals shall be initially classified as acceptable, potentially acceptable or unacceptable.

All responsive Offerors who submit acceptable proposals or potentially acceptable proposals are eligible for the prioritized listing.

If numerous acceptable and potentially acceptable proposals are submitted, the Evaluation Committee may limit the priority list to at least three (3) responsible Offerors who submitted the highest-ranked proposals.

5.5 Discussions with Priority Listed Offerors

Discussions may be conducted with Priority-Listed Offerors if deemed advantageous by the HIDEOE. Discussions will be limited to only "priority-listed" offerors and are held 1) to promote understanding of the HIDEOE requirements and the priority-listed offeror's proposals and 2) to facilitate arriving at a contract that will provide the best value to the HIDEOE, taking into consideration the evaluation factors set forth in the RFP. Discussions may include Offeror presentation of its Proposal, interviews with Offeror's key personnel, demonstrations, site visits, or teleconferences. Any discussions shall be conducted in an organized and consistent manner established by the HIDEOE, and in accordance with the following:

5.5.1. Priority-listed offerors shall be accorded fair and equal treatment with respect to any opportunity for discussions and revisions of proposals.

5.5.2. Any substantial oral clarification of a proposal shall be reduced to writing by the priority-listed Offeror.

5.5.3. If during discussions there is a need for any substantial clarification or change in the RFP, the RFP shall be amended by an addendum to incorporate the clarification or change. Addenda to the RFP shall be distributed only to the priority-listed offerors.

5.5.4. Priority-listed offerors may be permitted to amend proposals already submitted, limited to the discussions conducted.

5.5.5. If in the opinion of the Evaluation Committee a contemplated amendment will significantly change the nature of the procurement, the RFP shall be canceled and a new RFP will be issued.

5.5.6. The contents of any proposal shall not be disclosed so as to be available to competing offerors during the discussion process.

5.6 Best and Final Offers (BAFO) (at HIDEOE's Option)

Following discussions between the Evaluation Committee and the Priority-listed Offerors, each Priority-listed Offeror may be asked to provide their best and final offer. In that event, the procedure as listed below shall apply.

5.6.1 The Evaluation Committee will establish a date and time for submission of best and final offers.

5.6.2 Offerors may be afforded the opportunity to revise their proposals, including price, during the best and final offer phase.

5.6.3 If an Offeror does not submit a notice of withdrawal or a best and final offer, the Offeror's immediate previous proposal will be construed as their best and final offer.

5.6.4 After best and final proposals are received, final evaluations will be conducted for an award.

5.6.5 Best and final offers shall be submitted only once, unless the Head of the Purchasing Agency determines that it is in the HIDEOE's best interest to conduct additional discussions or change the HIDEOE's requirements by addendum distributed only to priority-listed offerors and require another submission of best and final offers. Otherwise, no discussion of or change in the best and final offers shall be allowed prior to award.

APPENDICES:

Appendix A: Proposal Identification and Information Form

Appendix B: Offeror Information Sheet

Appendix C: Offeror Reference Form

Appendix D: Wage Certificate

Appendix E: HVAC Technician Qualification Form

Appendix F: Price Proposal Form

Appendix G: Equipment Inventory & Unit Price (Maintenance and Repair Service)

Appendix H: Equipment Information

Appendix I: Recurring Maintenance Checklists (Monthly, Quarterly, Semi-Annual and Annual)

Appendix J: Contract Minimum and Special Conditions

Appendix K: State's General Conditions

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix A
PROPOSAL IDENTIFICATION AND INFORMATION FORM

Exact Legal Name of Offeror, including "dba" or "division" of a corporation (furnish the exact legal name of the entity under which an awarded contract, if any, will be executed):	
Principal Place of Business (may not be a P.O. Box):	
Mailing Address (only if different):	
Offerors Primary Contact Person:	Name/Title: _____ Telephone/Fax No.s: _____ e-mail address: _____
Federal Tax Identification Number:	
State of Hawaii General Excise Tax License Number:	
Type of Business Entity (check one):	<input type="checkbox"/> Sole Proprietor <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation <input type="checkbox"/> Joint Venture <input type="checkbox"/> Limited Liability Company <input type="checkbox"/> Other _____
If other than a Sole Proprietorship:	Offeror is either: <input type="checkbox"/> A Hawaii business incorporated or organized under the laws of the State of Hawaii; OR <input type="checkbox"/> A Compliant Non-Hawaii business incorporated or organized under the laws of the State of _____, and registered with the State of Hawaii Department of Commerce and Consumer Affairs Business Registration Division to do business in the State of Hawaii. Date of incorporation/organization: _____ All state(s) where Offeror is authorized to transact business: _____ Names of all Offeror's parent, affiliate and subsidiary organizations: _____ _____ _____

The undersigned certifies that the information provided above is to the best of his/her knowledge true and correct, has carefully read and understands the terms and conditions specified herein and hereby submits the following proposal to perform the work specified herein, all in accordance with the true intent and meaning thereof, and further that the Offeror shall comply with all terms, conditions and requirements of the RFP. The undersigned further understands and agrees that by submitting this offer, 1) he/she is declaring his/her offer is not in violation of Chapter 84, Hawaii Revised Statutes, concerning prohibited State contracts, and 2) he/she is certifying that the price(s) submitted was (were) independently arrived at without collusion.

Authorized (Original in ink) Signature

Name (printed)

Title

Date

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

APPENDIX B

OFFEROR INFORMATION

Offeror Qualification. In accordance with the Special Conditions, Offeror shall provide the following information for the permanent office facility location on the Island of Oahu:

Name of Company _____

Office Facility Address _____

Telephone/Facsimile No. _____

Name of Contact Person & Cellular No. _____

E-mail Address (if available) _____

Normal Business Hours _____

Offeror shall have a minimum of five (5) consecutive years of experience, immediately prior to proposal closing date, in the field of Heating, Ventilation, and Air Conditioning (HVAC) equipment maintenance and repair services. Enter number of consecutive years of experience (immediately prior to proposal closing date) in the field of air conditioning and ventilation equipment maintenance and repair service which includes cooling towers, centrifugal, screw and reciprocating chillers: _____ years.

***State of Hawaii Contractor C-52 License Number: _____
(Copy of license shall be submitted with Offer.)***

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix C

OFFEROR REFERENCE FORM

Directions:

- Please provide information regarding recent projects and the names of up to five (5) clients who may be contacted for whom services were rendered.
- Any supplemental information related to this project although not required, should be attached to the respective Appendix C Offeror Reference Form.

Name of Your Company:	
<i>Name of Client:</i>	
<i>Name of Client Contact Person:</i>	
<i>Client's Phone Number:</i>	
<i>Date or period of project/service:</i>	
<i>Description of project/services rendered:</i>	
<i>Other Information or comments:</i>	
<input type="checkbox"/> <i>check here if supplemental information related to this project is attached.</i>	

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix D

WAGE CERTIFICATE

Subject: Project No. RFP D19-007

Description of Project: To Provide Maintenance and Repairs for Air Conditioning and Ventilating
Equipment at the Various Hawaii Department of Education (HIDOE) Schools on
the Island of Oahu Leeward District

Pursuant to 103-55, HRS, I hereby certify that, if awarded a contract in excess of \$25,000.00, the
services to be performed will be performed in accordance with the following conditions:

1. The services to be rendered shall be performed by employees paid at wages or salaries
not less than wages paid to the public officers and employees for similar work, if similar
positions are listed in the classification plan of the public sector.
2. All applicable laws of the Federal and State governments relating to worker's
compensation, unemployment compensation, payment of wages, and safety will be fully
complied with.

CONTRACTOR shall be obliged to notify its employees performing work under this contract of the
provisions of 103-55, HRS, and the current wage rate for public employees performing similar work. The
CONTRACTOR may meet this obligation by posting a notice to this effect in the CONTRACTOR's place
of business accessible to all employees, or the CONTRACTOR may include such notice with each
paycheck or pay envelope furnished to the employee.

I understand that, in addition to the base wages required by 103-55, HRS, all payments required by
Federal and State laws that employers must make for the benefit of their employees shall be paid.

Offeror: _____

Signature: _____

Title: _____

Date: _____

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix E

HVAC TECHNICIAN QUALIFICATION FORM

A copy of the Refrigerant Universal Certificate for each Journeyman Technician and their qualification shall be submitted. The qualification information required is listed as follows:

Journeyman Technician's Name: _____

Number of years of experience: _____

Number of years at present company: _____

Name of accredited air conditioning program and year completed: _____

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix F

PRICE PROPOSAL FORM

Item	DESCRIPTION	TOTAL PRICE
1	Recurring Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various HIDOE Schools and Offices at Leeward District (Grand Total of Exhibit G – Equipment Inventory & Unit Price Proposal Attached)	\$
2**	Repairs For Ductless Split Systems, Fresh Air Fans and Dehumidifiers Authorized by the CA *Hourly Labor Rate = \$_____/hour x 800 hrs. (Estimated man hours: 800 per year)	\$
3****	Repairs for Unforeseen Event Authorized by the CA ***Hourly Labor Rate = \$_____/hour x 240 hrs. (Estimated man hours: 240 per year)	\$
	TOTAL PRICE, Items 1 thru 3:	\$

*Offeror to enter per hourly labor rate here. This hourly rate shall be used as the Hourly Labor Rate for all cost proposals for repairs on ductless split units, fresh air fans and dehumidifiers ordered by the CA, and shall be inclusive of all travel time, taxes, profits and other associated costs.

** Total Price for Item No. 2 (Total Price = Hourly labor rate x 800 man hours) shall not be included in the total contract amount and any subsequent contract renewals. All repairs on ductless split systems, fresh air fans and dehumidifiers ordered and authorized by the CA, along with authorized subcontracted work, shall be paid by purchase order.

***Offeror to enter per hourly labor rate here. This hourly rate shall be used as the Hourly Labor Rate for all cost proposals for repairs on unforeseen events ordered and authorized by the CA, and shall be inclusive of all travel time, taxes, profits and other associated costs.

****The total price for Item No. 3 (Total Price = Hourly labor rate x 240 man hours) shall not be included in the total contract amount and any subsequent contract renewals. All repairs for unforeseen events ordered and authorized by the CA, along with authorized subcontracted work, shall be paid by purchase order.

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix G

Equipment Inventory & Unit Price (Maintenance and Repair Service)

ATTACHED

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
AUGUST AHRENS ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Daikin	RXYQ96PATJ	A000119	8 ton	Classrooms	Outside Encl	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Daikin	RXYQ96PATJ	A000134	8 ton	Classrooms	Outside Encl	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-1	Daikin	FXAQ24MVJU	51A00049B	2.0 Ton	Classroom H-2	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-2	Daikin	FXAQ24MVJU	E001256	2.0 Ton	Classroom H-2	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-3	Daikin	FXAQ24MVJU	E000429	2.0 Ton	Classroom H-6	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-4	Daikin	FXAQ24MVJU	E002549	2.0 Ton	Classroom H-6	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-5	Daikin	FXAQ24MVJU	E000846	2.0 Ton	Classroom H-6	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-6	Daikin	FXAQ24MVJU	E001240	2.0 Ton	Classroom H-7	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-7	Daikin	FXAQ24MVJU	E001764	2.0 Ton	Classroom H-7	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Split System	FCU-8	Daikin	FXAQ24MVJU	E002559	2.0 Ton	Classroom H-7	Bldg Wall Mount	8/18/2014	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. I - Classrooms	Packaged Air Conditioning Unit	PACU-1	Carrier	50BYN00661-024	1907800561	20 ton	Room I-9	Mech Rm	9/21/2008	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. L - Library	Packaged Air Conditioning Unit	PACU-1	Carrier	50BVE034-6	3104V00084	30 ton	Total Library	Mech Rm	12/17/2004	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. L - Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	39MN30800557W225X8	3304F52479	30 ton	Total Library	Mech Rm	12/17/2004	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. M - Classrooms	Packaged Air Conditioning Unit	PACU-1	Carrier	50BYN02451	1904B56453	20ton6000cfm	1st Flr Clsrms	Mech Rm	3/31/2005	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. M - Classrooms	Packaged Air Conditioning Unit	PACU-2	Carrier	50BYN02451	0704B53125	20ton6000cfm	2nd Flr Clsrms	Mech Rm	3/31/2005	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P1 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Trane	TTR060C100A3	M29146YCF	5 ton	Portable P1	Outside Encl	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P1 - Portable Classroom	Unit Ventilator	UV-1	Trane	VUVB15041DOFOB0A011641B F	W97J37847	1500 cfm	Portable P1	Portable P1	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P2 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Trane	TTR060C100A3	M1224YF5BF	5 ton	Portable P2	Outside Encl	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P2 - Portable Classroom	Unit Ventilator	UV-1	Trane	VUVB15041DOFOB0A011641B F	W97J37844	1500 cfm	Portable P2	Portable P2	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P3 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Trane	TTR060C100A3	M2915GWCF	5 ton	Portable P3	Portable P3	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P3 - Portable Classroom	Unit Ventilator	UV-1	Trane	VUVB15041DOFOB0A011641B F	W97J37845	1500 cfm	Portable P3	Portable P3	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P4 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Trane	TTR060C100A3	M2915HUCF	5 ton	Portable P4	Outside Encl	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P4 - Portable Classroom	Unit Ventilator	UV-1	Trane	VUVB15041DOFOB0A011641B F	W97J37843	1500 cfm	Portable P4	Portable P4	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P5 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Trane	TTR060C100A3	M2915L3CF	5 ton	Portable P5	Outside Encl	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P5 - Portable Classroom	Unit Ventilator	UV-1	Trane	VUVB15041DOFOB0A011641B F	W97J37846	1500 cfm	Portable P5	Portable P5	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P6 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Trane	TTR060C100A3	M2915B4CF	5 ton	Portable P6	Outside Encl	1/1/1998	\$	\$	\$	\$
AUGUST AHRENS ES	Bldg. P6 - Portable Classroom	Unit Ventilator	UV-1	Trane	VUVB15041DOFOB0A011641B F	W97J37848	1500 cfm	Portable P6	Portable P6	1/1/1998	\$	\$	\$	\$
BARBERS POINT ES	Bldg. A - Administration/Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	95101-22COND	0712021733	3 ton	Admin Main Off	Outside Encl	3/1/1993	\$	\$	\$	\$
BARBERS POINT ES	Bldg. A - Administration/Library	Air Handling Unit	AHU-1	Trane	MCCB008UAOLOUB	K02D55639	4015 cfm	Library	Mech Room	8/1/2002	\$	\$	\$	\$
BARBERS POINT ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-1	RSI	95251-22-COND	0712021735	25 ton	Classrooms	Mech Room	8/1/2002	\$	\$	\$	\$
BARBERS POINT ES	Bldg. D - Classrooms	Air Handling Unit	AHU-1	Trane	MCCA014UB0A00000U	K02D556098	7320 cfm	Classrooms	Mech Room	8/1/2002	\$	\$	\$	\$
BARBERS POINT ES	Bldg. I - Challenger Center	Air-Cooled Condensing Unit	ACCU-1	RSI	95151-22-COND	0712021734	15 ton	Challenger Center	Mech Room	8/1/2002	\$	\$	\$	\$
BARBERS POINT ES	Bldg. I - Challenger Center	Air Handling Unit	AHU-1	Trane	MCCB010UA0000UA	K02D55633	4515 cfm	Challenger Center	Mech Room	8/1/2002	\$	\$	\$	\$
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Packaged Air Conditioning Unit	PACU-1	Trane	TSC036E3ROA1B0000000000 0 B	Unknown	3 ton	Classroom J-11	Roof	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Packaged Air Conditioning Unit	PACU-2	Trane	TSC036E3ROA1B0000000000 0 B	122011828L	3 ton	Classroom J-11	Roof	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Packaged Air Conditioning Unit	PACU-5	Trane	TSC060E3ROA1A0000000000 0 B	121912306L	3 ton	Classroom J-7	Roof	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Packaged Air Conditioning Unit	PACU-6	Trane	TSC060E3ROA1A0000000000 0 B	121912318L	3 ton	Classroom J-7	Roof	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. K - Music	Packaged Air Conditioning Unit	PACU-1	Carrier	50HJ012Y-551HE	2101G34323	10 ton	Band	Roof	9/1/2001	\$	\$	\$	\$
CAMPBELL HS	Bldg. K - Music	Packaged Air Conditioning Unit	PACU-2	Carrier	50HJ012Y-551HE	2101G34324	10 ton	Choral	Roof	9/1/2001	\$	\$	\$	\$
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Art	Air Handler Unit	AHU-1	Trane	CSAA017UAC00	K11H91965	Unknown	1st Floor	1st Floor Mech. Rm.	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Art	Air Handler Unit	AHU-2	Trane	CSAA021UAC00	K11H91972	Unknown	2nd Floor	2nd Floor Mech. Rm.	7/4/2005	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Art	Chiller	CH-1	Trane	CGAM060F2E02AXD2A1A1A1 AXXA1A1A4XXXXXXAXA3X1DX XXLXX	U11J25295	Unknown	Building S	Rooftop	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Art	Chill Water Pump	CHWP-1	Emerson	RXYMQ36PVJU	UJ5P2BM	Unknown	Building S	Rooftop	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Art	Exhaust Fan	EF-1	Unknwn	Unknwn	Unknwn	? Cfm	1st Floor	1st Floor Mech. Rm.	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Art	Exhaust Fan	EF-2	Unknwn	Unknwn	Unknwn	? Cfm	2nd Floor	2nd Floor Mech. Rm.	7/4/2005	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-9 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236H072358710-02	Unknown	Classroom P-9	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-10 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236H072358707-02	Unknown	Classroom P-10	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-11 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236H072358711-02	Unknown	Classroom P-11	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-12 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236J072378687-02	4 ton	Classroom P-12	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-14 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236H072358709-02		Classroom P-14	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P15 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236H07235870802	4 ton	Portable P-15	Bldg Wall Mount	12/1/2007	\$	\$	\$	\$
CAMPBELL HS	Bldg. P21 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236J08253369502	4 ton	Portable P21	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P22 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236008253369302	4 ton	Portable P22	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P23 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236K08254763002	4 ton	Portable P23	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P24 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236K08254763102	4 ton	Portable P24	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P25 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	W49A1-A0ZVP4XXX	343F133013426-02		Portable P25	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-26 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA36ACD00Q111-HI-216- VAR	EA-FL2438103	3 ton	Classroom P-26	Bldg Wall Mount	June 2012	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-27 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA36ACD00Q111-HI-216- VAR	EA-FL2438112	3 ton	Classroom P-27	Bldg Wall Mount	June 2012	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-28 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-AOZX4XXX	236J08253369402	4 ton	Classroom P-28	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-32 & P-33 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	W60A1-A0ZX4XXX	324A132978974-02	5 ton	Classroom P-32 & 33	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-34 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA36ACD00Q111-HI-216- VAR	EA-FL2438104	3 ton	Classroom P-34	Bldg Wall Mount	7/19/2012	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-35 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA36ACD00Q111-HI-216- VAR	EA-FL2438111	3 ton	Classroom P-35	Bldg Wall Mount	7/19/2012	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-36 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA36ACD00Q111-HI-216- VAR	EA-FL2438102	3 ton	Classroom P-36	Bldg Wall Mount	7/19/2012	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-37 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA36ACD00Q111-HI-216- VAR	EA-FL2438101	3 ton	Classroom P-37	Bldg Wall Mount	7/19/2012	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-38 & P-39 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	W48A1-A10	343H112814303-02	5 ton	Classroom P-38 & 39	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-40 & P-41 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA602-A0ZX4XXX	153L062242366-02	5 ton	Classroom P-40 & 41	Bldg Wall Mount	Unknown	\$	\$	\$	\$
CAMPBELL HS	Bldg. P-42 & P-43 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA602-A10	153A062138224-02	5 ton	Classroom P-42 & 43	Bldg Wall Mount	Unknown	\$	\$	\$	\$
EWA ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-1	Trane	TTA240B300CA	N513JRNAH	20 ton	Main Library	Outside Encl	8/1/2000	\$	\$	\$	\$
EWA ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-2	Trane	TTP042C100A4	R0455TC2F	3.5 ton	Media/Cont	Outside Encl	8/1/2000	\$	\$	\$	\$
EWA ES	Bldg. B - Library	Air Handling Unit	AHU-1	Trane	MCCA0175AKDC	K99L95547N	8700 cfm	Main Library	Mech. Room	8/1/2000	\$	\$	\$	\$
EWA ES	Bldg. B - Library	Fan Coil Unit	FCU-1	Trane	TWE036P130BO	R065BWW1V	1290 cfm	Media/Cont	Mech. Room	8/1/2000	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUHY-P120TKMU-A-B5	27W00055	10 ton	Classrooms 36/37	Outside Encl	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUHY-P120TKMU-A-B5	26W00033	10 ton	Classrooms 38/39	Outside Encl	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PCFY-P15NKMU-E	18M00012	15,000 btuh	Classrooms 39	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PCFY-P15NKMU-E	18M00015	15,000 btuh	Classrooms 39	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-3	Mitsubishi	PCFY-P15NKMU-E	18M00014	15,000 btuh	Classrooms 38	Ceiling Suspended	4/1/2014	\$	\$	\$	\$

Appendix G
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(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-4	Mitsubishi	PCFY-P15NKMU-E	18M00006	15,000 btuh	Classrooms 38	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-5	Mitsubishi	PCFY-P15NKMU-E	18M00010	15,000 btuh	Classrooms 37	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-6	Mitsubishi	PCFY-P15NKMU-E	1XM00212	15,000 btuh	Classrooms 37	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-7	Mitsubishi	PCFY-P15NKMU-E	19M00066	15,000 btuh	Classrooms 36	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg. D - Classrooms	FCU-DS-8	FCU-DS-8	Mitsubishi	PCFY-P15NKMU-E	18M00011	15,000 btuh	Classrooms 36	Ceiling Suspended	4/1/2014	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-1	Daikin	RXYQ120PBTJ	A001991	192,000 BTUH	For OA-1 & 2	OutsideEncl	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-2	Daikin	RXYQ72PBTJ	A001271	192,000 BTUH	For OA-1 & 2	Mech Enclosure	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-3	Daikin	RXYQ120PBTJ	A0002003	192,000 BTUH	For OA-3 & 4	Mech Enclosure	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-4	Daikin	RXYQ72PBTJ	A001300	192,000 BTUH	For OA-3 & 4	Mech Enclosure	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-5	Daikin	RXYQ96TTJU	1412017083	96,000 BTUH	For FCU-3,4,5,6,8,9	Mech Enclosure	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-6	Daikin	RXYQ144PBTJ	A000684	144,000 BTUH	For FCU-1,2,7,10,11,12,13	Mech Enclosure	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-7	Daikin	DRCU OUTDOOR CONDENSING UNIT	no tag	24,000 BTUH	For FCU-14	Mech Enclosure	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -1	Daikin	FXFQ18PVJU	Unknwn	18,000	Room 1	Room 1	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -2	Daikin	FXFQ18PVJU	Unknwn	18,000	Room 2	Room 2	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -3	Daikin	FXFQ24PVJU	Unknwn	24,000	Room 3	Room 3	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -4	Daikin	FXFQ24PVJU	Unknwn	24,000	Room 4	Room 4	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -5	Daikin	FXFQ24PVJU	Unknwn	24,000	Room 5	Room 5	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -6	Daikin	FXFQ24PVJU	Unknwn	24,000	Room 6	Room 6	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -7	Daikin	FXZQ07M7VJU	Unknwn	7,500	Breakout 11	Breakout 11	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -8	Daikin	FXZQ07M7VJU	Unknwn	7,500	Breakout 10	Breakout 10	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -9	Daikin	FXZQ07M7VJU	Unknwn	7,500	Breakout 7	Breakout 7	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -10	Daikin	FXFQ24PVJU	Unknwn	24,000	Special ED	Special ED	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -11	Daikin	FXFQ24PVJU	Unknwn	24,000	Faculty Center	Faculty Center	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -12	Daikin	FXFQ48PVJU	Unknwn	48,000	Computer Lab	Computer Lab	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -13	Daikin	FXZQ07M7VJU	Unknwn	7,500	Conference Room	Conference Room	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Fan Coil Unit	FCU -14	Data Aire	DAMA-02	Unknwn	24,000	Communication	Communication	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Outside Air Fan	OAF -1	Daikin	FXMQ96MFVJU	Unknwn	1,200 CFM	Areas for FCU-10-14	Faculty Center	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Outside Air Fan	OAF -2	Daikin	FXMQ96MFVJU	Unknwn	1,100 CFM	Room 1 & 2	Room 1	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Outside Air Fan	OAF -3	Daikin	FXMQ96MFVJU	Unknwn	900 CFM	Room 3 & 4	Room 3	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg E - Classrooms	Outside Air Fan	OAF -4	Daikin	FXMQ96MFVJU	Unknwn	900 CFM	Room 5& 6	Room 6	8/8/2016	\$	\$	\$	\$
EWA ES	Bldg. P2 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA491-B02	219L04195810202	4 ton	Portable P2	Bldg Wall Mount	4/1/2005	\$	\$	\$	\$
EWA ES	Bldg. P3 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-B02	236K062231206	4 ton	Portable P3	Bldg Wall Mount	11/1/2006	\$	\$	\$	\$
EWA ES	Bldg. P4 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A02	236J072382402	4 ton	Portable P4	Bldg Wall Mount	12/1/2007	\$	\$	\$	\$
EWA ES	Bldg. P5 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-B02	236K082547628	4 ton	Portable P5	Bldg Wall Mount	8/14/2013	\$	\$	\$	\$
EWA ES	Bldg. P6 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	ChangeAir	NAHP-48-1500-P-C	Unknown	4 ton	Classrooms	Wall-Mounted	6/15/2017	\$	\$	\$	\$
EWA BEACH ES	Bldg. F - Classroom (Auditorium)	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC060-5	Unknown	5 ton	Auditorium	Mech Room	8/1/1996	\$	\$	\$	\$
EWA BEACH ES	Bldg. F - Classroom (Auditorium)	Fan Coil Unit	FCU-1	Carrier	FB4ANF060-5	Unknown	2000 cfm	Auditorium	Mech Room	8/1/1996	\$	\$	\$	\$

Appendix G
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(MAINTENANCE AND REPAIR SERVICE)

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EWA BEACH ES	Bldg. F - Classroom (Auditorium)	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUHY-P120TKMU-A-BS	5ZW00375	10 ton	Classroom	Outside Enclosure	5/10/2017	\$	\$	\$	\$
EWA BEACH ES	Bldg. F - Classroom (Auditorium)	Fan Coil Unit	FCU-1	Mitsubishi	PEFY-P54NMHU-E2	65W00913	4.5 ton	Classroom	Ceiling-Suspended	5/10/2017	\$	\$	\$	\$
EWA BEACH ES	Bldg. F - Classroom (Auditorium)	Fan Coil Unit	FCU-2	Mitsubishi	PEFY-P54NMHU-E2	3YW00016	4.5 ton	Classroom	Ceiling-Suspended	5/10/2017	\$	\$	\$	\$
EWA BEACH ES	Bldg. H - Library	Packaged Air Conditioning Unit	PACU-1	Trane	TCH241C300BA	1245101470D	20 ton	Total Library	Outside Encl	12/1/2000	\$	\$	\$	\$
EWA BEACH ES	Bldg. J - Classrooms	Packaged Air Conditioning Unit	PACU-1	Carrier	50BYN01452	3605B14455	12ton/4875cfm		Mech. Room	8/1/2006	\$	\$	\$	\$
EWA BEACH ES	Bldg. J - Classrooms	Packaged Air Conditioning Unit	PACU-2	Carrier	50BYN02451	2505B47565	20ton/6900cfm		Mech. Room	8/1/2006	\$	\$	\$	\$
EWA BEACH ES	Bldg P2 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	Wa453-80ZBPXXJ	383A163301205-02	4.0 Ton	Bldg P2	Wall Mounted	7/28/2016	\$	\$	\$	\$
EWA BEACH ES	Bldg P3 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	Wa453-80ZBPXXJ	383A163301204-02	4.0 Ton	Bldg P3	Wall Mounted	7/28/2016	\$	\$	\$	\$
HIGHLANDS IS	Bldg. C - Hearing Impaired Lab	Air Cooled Condensing Unit	ACCU-1	Carrier	38HDR030---3	4507X92261	2.5 ton	Rm C-7 (Hearing Lab)	Outside Slab	6/20/2010	\$	\$	\$	\$
HIGHLANDS IS	Bldg. C - Hearing Impaired Lab	Fan Coil Unit	FCU-1	Carrier	40QAC036---3	0808V26435	3 ton	Rm C-7 (Hearing Lab)	Hung Outside	6/20/2010	\$	\$	\$	\$
HIGHLANDS IS	Bldg. H - Music	Packaged Air Conditioning Unit - Vertical	PACU-1	Carrier	50BYN01251	1006B11208	10 ton	Band	Mezz. Mech. Rm	10/1/2006	\$	\$	\$	\$
HIGHLANDS IS	Bldg. H - Music	Packaged Air Conditioning Unit - Vertical	PACU-2	Carrier	50BYN01251	1006B11207	10 ton	Choral	Mezz. Mech. Rm	10/1/2006	\$	\$	\$	\$
HIGHLANDS IS	Bldg. H - Music	Packaged Air Conditioning Unit - Vertical	PACU-3	Carrier	50BYN01651	3204B63646	15 ton	New Bandroom	Mech Rm 107	7/28/2005	\$	\$	\$	\$
HIGHLANDS IS	Bldg. H - Music	Dehumidifier	DH-1	Kenmore	19-Mar-49	Unknown	50 pint	Inst. Rm.102	inst. Rm.102	7/28/2005	\$	\$	\$	\$
HIGHLANDS IS	Bldg. H - Music	Dehumidifier	DH-2	Kenmore	19-Mar-49	Unknown	50 pint	inst. Rm.102	inst. Rm.102	7/28/2005	\$	\$	\$	\$
HIGHLANDS IS	Bldg. N - Library	Air Handling Unit	AHU-1	Carrier	39ED19L	4490T28247	10000 cfm	Total Library	Mech. Room	1/1/1991	\$	\$	\$	\$
HIGHLANDS IS	Bldg. N - Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	38AK034-500	3390F30714	30 ton	Total Library	Outside Slab	1/1/1991	\$	\$	\$	\$
HIGHLANDS IS	Tailer T1 - Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484 - A0Z	236P06228529702	4 ton	SPED Classroom	Bldg Wall Mount	Unknown	\$	\$	\$	\$
HIGHLANDS IS	Tailer T2 - Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484 - A0Z	336K06223120402	4 ton	ELL Classroom	Bldg Wall Mount	Unknown	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Packaged Air Conditioning Unit	PACU-1	Carrier	50HJ-012PH-561	0207G20674	10 ton	Main Library	OutdoorEncl	8/1/2007	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Fan Coil Unit	FCU-1	Fujitsu	ASU12RMLQ	GRA008835	385 cfm	Media Center	Media Center	8/1/2007	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Fan Coil Unit	FCU-2	Fujitsu	ASU12RMLQ	GRA008848	385 cfm	Teacher Lounge	Teacher Lounge	8/1/2007	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Fan Coil Unit	FCU-3	Fujitsu	ASU12RMLQ	GRA008829	385 cfm	Workroom	Workroom	8/1/2007	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Air Cooled Condensing Unit	ACCU-1	Fujitsu	A0U36RML	GPN002443	3 ton	MC/Lou/Wkrm	OutdoorEncl	8/1/2007	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Dehumidifier	DEH-1	Danby	Unknown	Unknown	45 pints	Main Library	Main Library	8/1/2007	\$	\$	\$	\$
HONOWAI ES	Bldg. EE - Library	Dehumidifier	DEH-2	Danby	Unknown	Unknown	45 pints	Main Library	Main Library	8/2/2007	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-1	Carrier	50PSV048JCC6ACCX	4614V08325	4.0 Ton	Main Office	Mech Rm A1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-2	Carrier	50PSV009RCC4ACCX	4414V07342	0.75 Ton	Health Room	Mech Rm A1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-3	Carrier	50PSV012CCC4ACCX	4414V07345	1.0 Ton	Conference Room A1-A	Mech Rm A1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-4	Carrier	50PSV018KCC4ACCX	4414V07352	1.5 Ton	Storage Room	Mech Rm A1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-5	Carrier	50PSV018KCC4ACCX	4414V07351	1.5 Ton	VP Office	Mech Rm A1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-6	Carrier	50PSH030YCC6ACCX	4414V07360	2.5 Ton	Principal's Conference Room	Ceiling	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-7	Carrier	50PSH009BCCX	4414V07337	0.75 Ton	Principal's Office	Ceiling	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-8	Carrier	50PSH012BCC4ACCX	4414V07344	1.0 Ton	Conference Room A1-B	Ceiling	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-9	Carrier	50PSH030YCC6ACCX	4414V07359	2.5 Ton	SBBH Room	Ceiling	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-10	Carrier	50PSH009BCC4ACCX	4414V07338	0.75 Ton	SSC Room	Ceiling	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-11	Carrier	50PSH030YCC6ACCX	441V073690	2.5 Ton	PCNC/PSAP Room	JPO Storage Room	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-12	Carrier	50VQP072BCC6A1CC	4314V06974	6.0 Ton	Main Library	Mech Rm A2-B	6/4/2015	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
HOOKELE ES	Bldg A - Library	Water Source Heat Pump	WSHP-13	Carrier	50PSV018KCC4ACCX	4414V07349	1.5 Ton	Tech Office	Mech Rm A2-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Library	Water Source Heat Pump	WSHP-14	Carrier	50PSV048JCC6ACCX	4614V08323	4.0 Ton	Library Workroom	Mech Rm A2-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-15	Carrier	50PSV060JCC6ACCX	4514V08164	5.0 Ton	Tech Center	Mech Rm A2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-16	Carrier	50PSV060JCC6ACCX	4514V08163	5.0 Ton	Server Room/MDF	Mech Rm A2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Water Source Heat Pump	WSHP-17	Carrier	50PSV048KCC6ACCX	4614V08163	4.0 Ton	Video Production	Mech Rm A2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Fresh Air Fan	FAF-4	Greenheck	RBS-2H24-10-X	1380216	1,285 CFM	Bldg A	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg A - Admin	Supply Fan	SF-1	Soler	TD-200	5211573200	Unknown	Bldg A, Receiving Room	Ceiling	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg B - Arts & Sciences	Water Source Heat Pump	WSHP-1	Carrier	50PSV048JCC6ACCX	4614V08322	4.0 Ton	B-101	Mech Rm B1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg B - Arts & Sciences	Water Source Heat Pump	WSHP-2	Carrier	50PSV048KCC6ACCX	4614V08328	4.0 Ton	B-101	Mech Rm B1	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-1	Carrier	50PSV048JCC6ACCX	4914V09213	4.0 Ton	Stage	Mech Rm C1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-2	Carrier	50PSH048YCC6ACCX	4514V08161	4700 BTUH	Staff Dining Room	Ceiling/A+ Program Rm	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-3	Carrier	50PSV009RCC4ACCX	4414V07343	9300 BTUH*	Manager's Office & Dry Storage	Mech Rm C1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-4	Trane	GERE18041C01B0D0R007000 3000DG	W14K24432	176900 BTUH	Main Cafeteria	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-5	Trane	GERE18041C01B0D0R007000 3000DG	W14K24433	176900 BTUH	Main Cafeteria	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-6	Carrier	50PSV012RCC4ACCX	4414V07346	11700 BTUH	Restrooms & Dressing Rooms	Mech Rm C1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Water Source Heat Pump	WSHP-7	Carrier	50PSV009RCC4ACCX	4414V07341	9300 BTUH*	Custodial Office	Custodial Mech Rm	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Air Cooled Condensing Unit	ACCU-1	Carrier	38MFC0091	2614V00282	0.75 Ton	Communication Room	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Air Cooled Condensing Unit	ACCU-2	Carrier	24ABB342A600	3514E19341	3.5 Ton	Data Center Office	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Fan Coil Unit	FCU-DS-1	Carrier	40MFC0091	2614V00131	325 CFM	Communication Room	Communication Room	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Fan Coil Unit	FCU-DX-1	Carrier	FX4DNF043	3414A85566	1,400 CFM	Data Center	Custodial Mech Rm	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Fan Coil Unit	CRAC-1	Liebert	V5105AUAE0102A	C14K8E0018	13,700 CFM	DOE Data Center	DOE Data Center	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Fan Coil Unit	CRAC-2	Liebert	V5105AUAE0102A	C14K8E0019	13,700 CFM	DOE Data Center	DOE Data Center	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Fan Coil Unit	CRAC-3	Liebert	V5105AUAE0102A	C14K8E0017	13,700 CFM	DOE Data Center	DOE Data Center	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Air Cooled Condensing Unit	ACCU-1	Liebert	MCL110E8AEC241	Y14JA20099	30 Ton	DOE Data Center	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Air Cooled Condensing Unit	ACCU-2	Liebert	MCL110E8AEC241	Y14JA20098	30 Ton	DOE Data Center	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Air Cooled Condenser	ACCU-3	Liebert	MCL110E8AEC241	Y14JA20097	30 Ton	DOE Data Center	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg C - Commons	Door Air Curtain	AC-1	MARS	LPN72-1UA-PW	Unknown	1800 CFM	Hallway C100B	Back Entrance	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Cooling Tower	Cooling Tower	CT-1	B.A.C.	FXV-1212B-24D-0	U148122004-01-01	Unknown	Entire Campus	Cooling Tower Room	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Cooling Tower	Primary Chilled Water Pump	CHWP-1A	B&G	E-1510-3AD	C194573-01K41	621 GPM	Entire Campus	Mech Rm C1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Cooling Tower	Primary Chilled Water Pump	CHWP-1B	B&G	E-1510-3AD	C194573-02K41	621 GPM	Entire Campus	Mech Rm C1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Cooling Tower	Condenser Water Pump	CWP-2	Marathon Elec.	PVE213TTFW4047BCM	U334	11.3 GPM	Cooling Tower	Cooling Tower	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-1	Carrier	50PSV036JCC6ACCX	4914V09244	3.0 Ton	D101	Mech Rm D1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-2	Carrier	50PSV036KCC6ACCX	4714V08636	3.0 Ton	D103	Mech Rm D1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-3	Carrier	50PSV036JCC6ACCX	4914V09248	3.0 Ton	D108	Mech Rm D1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-4	Carrier	50PSV036KCC6ACCX	4714V08642	3.0 Ton	D102	Mech Rm D1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-5	Carrier	50PSV036JCC6ACCX	4914V09251	3.0 Ton	D109	Mech Rm D1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-6	Carrier	50PSV036KCC6ACCX	4714V08644	3.0 Ton	D106	Mech Rm D1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-7	Carrier	50PSV036JCC6ACCX	4914V09245	3.0 Ton	D105	Mech Rm D1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-8	Carrier	50PSV036JCC6ACCX	4914V09246	3.0 Ton	D107	Mech Rm D1-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-9	Carrier	50PSV036KCC6ACCX	4714V08650	3.0 Ton	D104	Mech Rm D1-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-10	Carrier	50PSV024JCC6ACCX	4414V07355	3.0 Ton	PLC	Mech Rm D1-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-11	Carrier	50PSV060KCC6ACCX	4514V08108	5.0 Ton	ELL	Mech Rm D2-B	6/4/2015	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-12	Carrier	50PSV060JCC6ACCX	4514V08165	5.0 Ton	PD CWINTER	Mech Rm D2-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-13	Carrier	50PSV042JCC6ACCX	4614V08288	3.5 Ton	D204	Mech Rm D2-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-14	Carrier	50PSV036KCC6ACCX	4714V08638	3.0 Ton	D203	Mech Rm D2-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-15	Carrier	50PSV036JCC6ACCX	5114V10138	3.0 Ton	D202	Mech Rm D2-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-16	Carrier	50PSV036KCC6ACCX	4714V08635	3.0 Ton	D205	Mech Rm D2-E	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-17	Carrier	50PSV048JCC6ACCX	4614V08321	4.0 Ton	Learning Hub	Mech Rm D2-F	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-18	Carrier	50PSV036KCC6ACCX	4714V08651	3.0 Ton	D201	Mech Rm D2-F	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Water Source Heat Pump	WSHP-19	Carrier	50PSV036JCC6ACCX	4914V09247	3.0 Ton	PLC	Mech Rm D2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Fresh Air Fan	FAF-1	Greenheck	RBS-3H30-20-X	13630213	8,200 CFM	Building D	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Fan Coil Unit	FCU-DS-1	Carrier	40MFC009-1	2614V00103	325 CFM	IDF	IDF	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg D - Classrooms	Air Cooled Condensing Unit	ACCU-1	Carrier	38MFC009-1	2614V00276	0.75 Ton	IDF	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-1	Carrier	50PSV042KCC6ACCX	4614V08300	3.5 Ton	E107	Mech Rm E1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-2	Carrier	50PSV036KCC6ACCX	4714V08648	3.0 Ton	E101	Mech Rm E1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-3	Carrier	50PSV036KCC6ACCX	4714V08643	3.0 Ton	E102	Mech Rm E1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-4	Carrier	50PSV042JCC6ACCX	4614V08293	3.5 Ton	E106	Mech Rm E1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-5	Carrier	50PSV042JCC6ACCX	4614V08287	3.5 Ton	E105	Mech Rm E1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-6	Carrier	50PSV036KCC6ACCX	4714V08646	3.0 Ton	E104	Mech Rm E1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-7	Carrier	50PSV036KCC6ACCX	4714V08645	3.0 Ton	E103	Mech Rm E1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-8	Carrier	50PSV024JCC6ACCX	4414V07356	2.0 Ton	Conference Rm E1	Mech Rm E1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-9	Carrier	50PSV024JCC6ACCX	4414V07354	2.0 Ton	PLC	Mech Rm E1-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-10	Carrier	50PSV042KCC6ACCX	4614V08298	3.5 Ton	E201	Mech Rm E2-E	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-11	Carrier	50PSV048JCC6ACCX	4614V08326	4.0 Ton	Learning Hub	Mech Rm E2-E	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-12	Carrier	50PSV042KCC6ACCX	4614V08295	3.5 Ton	E205	Mech Rm E2-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-13	Carrier	50PSV042JCC6ACCX	4614V08290	3.5 Ton	E202	Mech Rm E2-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-14	Carrier	50PSV042KCC6ACCX	4614V08294	3.5 Ton	E203	Mech Rm E2-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-15	Carrier	50PSV042JCC6ACCX	4614V08292	3.5 Ton	E204	Mech Rm E2-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-16	Carrier	50PSV024JCC6ACCX	4414V07357	2.0 Ton	PLC	Mech Rm E2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Water Source Heat Pump	WSHP-17	Carrier	50PSV018KCC6ACCX	4414V07350	1.5 Ton	Conference Rm E2	Mech Rm E2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Fresh Air Fan	FAF-2	Greenheck	RBS-2H30-20-X	13830214	6,580 CFM	Building E	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Fan Coil Unit	FCU-DS-1	Carrier	40MFC009-1	2614V00111	325 CFM	IDF	IDF	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg E - Classrooms	Air Cooled Condensing Unit	ACCU-1	Carrier	38MFC009-1	2614V00299	0.75 Ton	IDF	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-1	Carrier	50PSV036KCC6ACCX	4914V09243	3.0 Ton	F109	Mech Rm F1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-2	Carrier	50PSV036JCC6ACCX	4714V08647	3.0 Ton	F108	Mech Rm F1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-3	Carrier	50PSV036KCC6ACCX	4714V08649	3.0 Ton	F101	Mech Rm F1-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-4	Carrier	50PSV036KCC6ACCX	4914V09252	3.0 Ton	F102	Mech Rm F1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-5	Carrier	50PSV036JCC6ACCX	4714V08637	3.0 Ton	F103	Mech Rm F1-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-6	Carrier	50PSV042JCC6ACCX	4914V09250	3.5 Ton	F107	Mech Rm F1-E	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-7	Carrier	50PSV018KCC4ACCX	4714V08640	1.5 Ton	F106	Mech Rm F1-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-8	Carrier	50PSV042KCC6ACCX	4414V07339	3.5 Ton	Conference Rm F1	Mech Rm F1-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-9	Carrier	50PSV036KCC6ACCX	4614V08289	3.0 Ton	F104	Mech Rm F1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-10	Carrier	50PSV009LCC4ACCX	4414V07348	.75 Ton	PLC	Mech Rm F1-C	6/4/2015	\$	\$	\$	\$

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Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-11	Carrier	50PSV036JCC6ACCX	4614V08299	3.0 Ton	F105	Mech Rm F1-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-12	Carrier	50PSV036KCC6ACCX	4714V08641	3.0 Ton	F201	Mech Rm F2-F	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-13	Carrier	50PSV048JCC6ACCX	4614V08324	4.0 Ton	Learning Hub	Mech Rm F2-F	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-14	Carrier	50PSV018KCC4ACCX	4614V08297	1.5 Ton	F207	Mech Rm F2-E	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-15	Carrier	50PSV009RCC4ACCX	4914V09249	.75 Ton	F202	Mech Rm F2-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-16	Carrier	50PSV042JCC6ACCX	4714V08639	3.5 Ton	F203	Mech Rm F2-C	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-17	Carrier	50PSV042KCC6ACCX	4914V09253	3.5 Ton	F206	Mech Rm F2-D	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-18	Carrier	50PSV036KCC6ACCX	4414V07340	3.0 Ton	Conference Rm F2	Mech Rm F2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-19	Carrier	50PSV036JCC6ACCX	4414V07347	3.0 Ton	PLC F2	Mech Rm F2-A	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-20	Carrier	50PSV042KCC6ACCX	4614V08291	3.5 Ton	F204	Mech Rm F2-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Water Source Heat Pump	WSHP-21	Carrier	50PSV036JCC6ACCX	4614V08296	3.0 Ton	F205	Mech Rm F2-B	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Fresh Air Fan	FAF-3	Greenheck	RS2-30-621-B-20	13830215---1409	8,450 CFM	Building F	Roof	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Fan Coil Unit	FCU-DS-1	Carrier	40MFC009-1	2614V04112	.75 Ton	IDF	IDF	6/4/2015	\$	\$	\$	\$
HOOKELE ES	Bldg F - Classrooms	Air Cooled Condensing Unit	ACCU-1	Carrier	38MFC009---1	2614V00279	.75 Ton	IDF	Roof	6/4/2015	\$	\$	\$	\$
ILIMA IS	Bldg. E - Classroom	Packaged Air Conditioning Unit	PACU-1	Marvair	VAS/A60ACC000QGIII-HI-216-VAR	EAF12481201	5 ton	Computer Lab Rm E205	Computer Lab	7/1/2011	\$	\$	\$	\$
ILIMA IS	Bldg. F - Library	Packaged Air Conditioning Unit	PACU-1	Tithe Corp	PAA180V4	F17-0011	15 Tons	Library	Mechanical Room	1/19/2018	\$	\$	\$	\$
ILIMA IS	Bldg. F - Library	Packaged Air Conditioning Unit	PACU-2	Tithe Corp	PAA120V4	F17-0010	10 Tons	Library (back Rooms)	Mechanical Room	1/19/2018	\$	\$	\$	\$
ILIMA IS	Bldg. J - Music	Packaged Air Conditioning Unit	PACU-1	Trane	THC120A	304100262L	10 ton	Band	Roof	7/15/2003	\$	\$	\$	\$
ILIMA IS	Bldg. J - Music	Packaged Air Conditioning Unit	PACU-2	Trane	THC102A4R0A06000	250100653L	8.5 ton	Choral	Roof	7/15/2003	\$	\$	\$	\$
ILIMA IS	Bldg. J - Music	Packaged Air Conditioning Unit	PACU-3	Trane	THC048A	230102382L	4 ton	Band/Choral	Roof	7/15/2003	\$	\$	\$	\$
ILIMA IS	Bldg. R - Computer Room/Language Lab	Air Handling Unit	AHU-1	Unknown	Unknown	Unknown	7.5 cfm	Unknown	Ceiling Space	Unknown	\$	\$	\$	\$
ILIMA IS	Bldg. R - Computer Room/Language Lab	Air Handling Unit	AHU-2	Unknown	Unknown	Unknown	7.5 cfm	Unknown	Ceiling Space	Unknown	\$	\$	\$	\$
ILIMA IS	Bldg. R - Computer Room/Language Lab	Package Air Conditioning Unit	PACU-1	Carrier	50HC-E09A2A6A0A3A0	1212G20330	Unknown	Computer CR	Outdoor Enclosure	Unknown	\$	\$	\$	\$
ILIMA IS	Bldg. R - Computer Room/Language Lab	Package Air Conditioning Unit	PACU-2	Carrier	50HC-E08A2A6A0A3A0	1212G30267	Unknown	Computer CR	Outdoor Enclosure	Unknown	\$	\$	\$	\$
ILIMA IS	Bldg. R - Computer Room/Language Lab	Compressor/Chiller Unit	CH-1	Unknown	Unknown	Unknown	15 ton	Unknown	Mech. Room	Unknown	\$	\$	\$	\$
ILIMA IS	Bldg. R - Computer Room/Language Lab	Chilled Water Pump	CHWP-1	Unknown	Unknown	Unknown	? gpm	Unknown	Mech. Room	Unknown	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. A - Classrooms	Air Handling Unit	AHU-1	Carrier	39THUPAC17308AA	3601F09947	9600 cfm	Bldg A	MechRm A	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. A - Classrooms	Air Cooled Condensing Unit	ACCU-1	Carrier	38AH028F610AC	3101F01542	25 ton	Bldg A	MechRm A	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. A - Classrooms	Step Controller Panel	SPC-1	Carrier	Unknown	Unknown	N/A	Bldg A	MechRm A	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. D - Classrooms	Air Handling Unit	AHU-1	Carrier	39THUPAC17308AC	3601F09948	9600 cfm	Bldg D	MechRm D	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. D - Classrooms	Air Cooled Condensing Unit	ACCU-1	Carrier	38AH028F610AC	3101F01563	25 ton	Bldg D	MechRm D	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. D - Classrooms	Step Controller Panel	SCP-1	Carrier	N/A	N/A	N/A	Bldg D	MechRm D	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. G - Administration	Air Handling Unit	AHU-1	Carrier	39LA06BA17309E9	3601F10077	3200 cfm	Bldg G	MechRm A	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Bldg. G - Administration	Air Cooled Condensing Unit	ACCU-1	Carrier	38AKS009D636601	3901G02046	7.5 ton	Bldg G	MechRm A	11/1/2001	\$	\$	\$	\$
IROQUOIS POINT ES	Portable Classrooms - P15	Pack ACU - Vert Wall Mnt	PACU-1	Marvair	AVPA60HPA090HGUA-A5-100	CF-F142672-0-1	5 ton	P-15	Bldg Wall Mount	7/15/2016	\$	\$	\$	\$
IROQUOIS POINT ES	Portable Classrooms - P16	Pack ACU - Vert Wall Mnt	PACU-1	Marvair	AVPA30HPA090HGUA-A5-100	CF-F142673-0-1	2.5 ton	P-16	Bldg Wall Mount	7/15/2016	\$	\$	\$	\$
IROQUOIS POINT ES	Portable Classrooms - P16	Pack ACU - Vert Wall Mnt	PACU-2	Marvair	AVPA30HPA090HGUA-A5-100	CF-F142673-0-2	2.5 ton	P-16	Bldg Wall Mount	7/15/2016	\$	\$	\$	\$
KAIMILOA ES	Bldg. D - Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	38AH024-600AC	3495F65566	20 ton	Main Library	Outside Encl	2/1/1996	\$	\$	\$	\$
KAIMILOA ES	Bldg. D - Library	Air-Cooled Condensing Unit	ACCU-2	Carrier	38AKS008-601	2995G00083	7.5 ton	Library Offices	Outside Encl	2/1/1996	\$	\$	\$	\$
KAIMILOA ES	Bldg. D - Library	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HD060-610	4794X11771	5 ton	Media/Signal	Outside Encl	2/1/1996	\$	\$	\$	\$
KAIMILOA ES	Bldg. D - Library	Air Handling Unit	AHU-1	Carrier	39LD2153AB1431L	3395T72072	6400 cfm	Main Library	Mech Rm	2/1/1996	\$	\$	\$	\$
KAIMILOA ES	Bldg. D - Library	Air Handling Unit	AHU-2	Carrier	39LD2063AB1431R	3395T72073	2800 cfm	Library Offices	Mech Rm	2/1/1996	\$	\$	\$	\$
KAIMILOA ES	Bldg. D - Library	Air Handling Unit	AHU-3	Carrier	39LA031AB1421B	3395T72074	1700 cfm	Media/Signal	Mech Rm Clg	2/1/1996	\$	\$	\$	\$
KALEIOPU UES	Bldg. B - Library	Air Handling Unit	AHU-1	Trane	CSAA012UAL00	K15A04106	4230 cfm	Library	Mech Room	1/26/2016	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
KALEIOPUU ES	Bldg. B - Library	Fan Coil Unit -DX Split System	FCU-1	Trane	TAM7A0C48H41SDA	15021UT9AV	1275 cfm	Media Ctl Rm	Mech Room	1/26/2016	\$	\$	\$	\$
KALEIOPUU ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-1	Trane	TTA180F30RAA	15054KNCTA	15 ton	Library	Outside Encl	1/26/2016	\$	\$	\$	\$
KALEIOPUU ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-2	Trane	4TTR4048L100AA	14403SICAF	3 ton	Media Ctl Rm	Outside Encl	1/26/2016	\$	\$	\$	\$
KAMAILE ES	Bldg. B - Library	Packaged Air Conditioning Unit	PACU-1	Trane	SCRC02060C0311	T97801608	7500 cfm	Main Library	Mech Room	8/1/1997	\$	\$	\$	\$
KAMAILE ES	Bldg. B - Library	Air-Cooled Condenser - Cabinet	ACC-1	Trane	MCCA021	K97B21744	20 ton	Main Library	Mech Room	8/1/1997	\$	\$	\$	\$
KAMAILE ES	Bldg. B - Library	Fan Coil Unit	FCU-1	Trane	TWE042C140B	M101X681V	1000 cfm	Media/Sig Rm	Mech Room	8/1/1997	\$	\$	\$	\$
KAMAILE ES	Bldg. B - Library	Fan Coil Unit	FCU-2	Trane	TWE048C140B3	L474WDK1N	1500 cfm	Staff/Wkrm	Mech Room	8/1/1997	\$	\$	\$	\$
KAMAILE ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC036-510	3396X31259	3 ton	Media/Sig Rm	Mech Room	8/1/1997	\$	\$	\$	\$
KAMAILE ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-2	Carrier	38HDC048-510	2996X30648	4 ton	Staff/Wkrm	Mech Room	8/1/1997	\$	\$	\$	\$
KAMAILE ES	Bldg. T1 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365202	3 ton	Portable T1	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T2 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365102	3 ton	Portable T2	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T3 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365802	3 ton	Portable T3	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T4 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365402	3 ton	Portable T4	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T5 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D10269847002	3 ton	Portable T5	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T6 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365502	3 ton	Portable T6	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T7 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365702	3 ton	Portable T7	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T8 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W36AIA0ZX4XXX	309D11279365602	3 ton	Portable T8	Bldg Wall Mount	6/1/2011	\$	\$	\$	\$
KAMAILE ES	Bldg. T9 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA372A0ZX4XXX	225C09261052402	3 ton	Portable T9	Bldg Wall Mount	12/1/2013	\$	\$	\$	\$
KAMAILE ES	Bldg. T10 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA372A0ZX4XXX	225P08258592902	3 ton	Portable T10	Bldg Wall Mount	12/1/2013	\$	\$	\$	\$
KAMAILE ES	Bldg. T11 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA372A0ZX4XXX	225P08258594602	3 ton	Portable T11	Bldg Wall Mount	12/1/2013	\$	\$	\$	\$
KAMAILE ES	Bldg. T12 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA372A0ZX4XXX	225P08258595002	3 ton	Portable T12	Bldg Wall Mount	12/1/2013	\$	\$	\$	\$
KAMAILE ES	Bldg. T13 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA372A0ZX4XXX	225P08258595402	3 ton	Portable T13	Bldg Wall Mount	12/1/2013	\$	\$	\$	\$
KAMAILE ES	Bldg. T14 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA372A0ZX4XXX	225P08258593402	3 ton	Portable T14	Bldg Wall Mount	12/1/2013	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Air Handling Unit	AHU-1	York	AP-150FSFC18X18	CKFM-021038	7000 cfm	Main Library	Mech Room	3/1/1998	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Fan Coil Unit	FCU-1	Carrier	FK4CNB006000AEAA	2197A13029	1500 cfm	Media/Sig Rm	Mech Room	3/1/1998	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Fan Coil Unit	FCU-2	Carrier	40RM007B300HC	4596F39266	2200 cfm	Staff/Wkrm	Mech Room	3/1/1998	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	38CKW036-510	3397E11499	3.5 ton	Media/Sig Rm	Outside Encl	3/1/1998	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Air-Cooled Condensing Unit	ACCU-2	Carrier	38AK007-V501	2397G00163	6 ton	Staff/Wkrm	Outside Encl	3/1/1998	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Air-Cooled Condensing Unit	ACCU-3	Carrier	38AKS016-510	3397F88466	15 ton	Main Library	Outside Encl	3/1/1998	\$	\$	\$	\$
KANOELANI ES	Bldg. E - Library	Reheat Coil	RHC	Delta-Flo	EH-4N-320	Unknown	N/A	Media/Sig Rm	Media/Sig Rm Clg	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. A - Administration	Air Handling Unit	AHU-1	Trane	MCCA012	K98A05763	5800 cfm	Admin Area	Mech Room	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. A - Administration	Air-Cooled Condensing Unit	ACCU-1	Trane	TTA180C400CE	M421XTUUAH	15 ton	Admin Area	Outside Encl	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. B - Library	Air Handling Unit	AHU-1	Trane	MCCA017	K98A08348	8000 cfm	Main Library	Mech Room	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. B - Library	Fan Coil Unit	FCU-1	Trane	MCCA006	K98A05851	2800 cfm	Media/Sig Rm	Ceiling Space	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-1	Trane	RAUCC204EP03BDF1	J98A80188	20 ton	Main Library	Outside Encl	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-2	Trane	TTA090A400C	M3945C4AH	7 ton	Media/Sig Rm	Outside Encl	3/1/1998	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-1	Carrier	FK4BNB0D6000AAAA	1494A02150	1800 cfm	Classrooms 101	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC060-310	2094X04877	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-2	Carrier	FK4BNB0D6000AAAA	1294A01015	1800 cfm	Classrooms 102	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Carrier	38HDC060-310	2094X04869	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-3	Carrier	FK4BNB0D6000AAAA	1294A00964	1800 cfm	Classrooms 103	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HDC060-310	3198X11098	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-4	Carrier	FK4BNB0D6000AAAA	1494A02148	1800 cfm	Classrooms 104	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Carrier	38HDC060-310	2094X04893	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-5	Carrier	FK4BNB0D6000AAAA	1494A02127	1800 cfm	Classrooms 201	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Carrier	38HDC060-310	2094X04887	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-6	Carrier	FK4BNB0D6000AAAA	1394A00769	1800 cfm	Classrooms 202	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Carrier	38HDC060-310	2094X04856	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-7	Carrier	FK4BNB0D6000AAAA	1294A00992	1800 cfm	Classrooms 203	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Carrier	38HDC060-310	2094X04872	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Fan Coil Unit - Vertical Mount	FCU-8	Carrier	FK4BNB0D6000AAAA	1294A00967	1800 cfm	Classrooms 204	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. E - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Carrier	38HDC300	not legible	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-1	Carrier	FK4BNB0D6000AAAA	1494A02155	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC060-310	2094X02882	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-2	Carrier	FK4BNB0D6000AAAA	1294A00976	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Carrier	38HDC060-310	2094X04868	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-3	Carrier	FK4BNB0D6000AAAA	1494A02154	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HDC060C300	6193X41094	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-4	Carrier	FK4BNB0D6000AAAA	1294A00994	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Carrier	38HDC060C300	3193X11090	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-5	Carrier	FK4BNB0D6000AAAA	1494A02136	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Carrier	38HDC060-310	2094X04893	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-6	Carrier	FK4BNB0D6000AAAA	1394A00771	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Carrier	38HDC060-310	2094X04830	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-7	Carrier	FK4BNB0D6000AAAA	1294A00998	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Carrier	38HDC060C300	not legible	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Fan Coil Unit - Vertical Mount	FCU-8	Carrier	FK4BNB0D6000AAAA	1494A02130	1800 cfm	Classrooms	Mech Closet	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg. F - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Carrier	38HDC060C300	3193X41096	5 ton	Classrooms	Outside Encl	12/1/1994	\$	\$	\$	\$
KAPOLEI ES	Bldg P13 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	W49A1-AQZVP4XXX	343F133013427-02	Unknown	Portable P13	Bldg WallMount	Unknown	\$	\$	\$	\$
KAPOLEI ES	Bldg P14 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	W49A1-AQZVP4XXX	343F133013905-02	Unknown	Portable P14	Bldg WallMount	10/1/2014	\$	\$	\$	\$
LEEWARD DISTRICT BASEYARD	Bldg. - Offices	Window Air Conditioning Unit	PACU-1	Bard	WA361B09	133K011665135	3 ton	Office	Office Wall	6/1/2002	\$	\$	\$	\$
LEEWARD DISTRICT BASEYARD	Bldg. - Offices	Window Air Conditioning Unit	PACU-2	Bard	WA361B09	133K011665130	3 ton	Office	Office Wall	6/1/2002	\$	\$	\$	\$
LEEWARD DISTRICT BASEYARD	Bldg. - Offices	Window Air Conditioning Unit	PACU-3	Bard	WA361B09	133K011665132	3 ton	Office	Office Wall	6/1/2002	\$	\$	\$	\$
LEEWARD DISTRICT OFFICE	Bldg. A - Offices	Air Handling Unit	AHU-1	Carrier	40RM014-B500HC	3897F96391	4400 cfm	Conf/Wkrm-2	Mech Room	6/1/1998	\$	\$	\$	\$
LEEWARD DISTRICT OFFICE	Bldg. A - Offices	Air Handling Unit	AHU-2	Carrier	40RM012-B500GC	3497F89539	3600 cfm	Staff/Wkrm-1	Mech Room	6/1/1998	\$	\$	\$	\$
LEEWARD DISTRICT OFFICE	Bldg. A - Offices	Air-Cooled Condensing Unit	ACCU-1	Carrier	38AKS016-510	4697F07895	12 ton	Conf/Wkrm-2	Outside Encl	6/1/1998	\$	\$	\$	\$
LEEWARD DISTRICT OFFICE	Bldg. A - Offices	Air-Cooled Condensing Unit	ACCU-2	Carrier	38AKS012-501	4097G00031	10 ton	Staff/Wkrm-1	Outside Encl	6/1/1998	\$	\$	\$	\$
LEHUA ES	Bldg. D - Library	Packaged Air Conditioning Unit	PACU-1	Carrier	50HC-E09A1A5A2K3A0	3013G50148	8.5 ton	Library		10/31/2014	\$	\$	\$	\$
LEIHOKU ES	Bldg. A - Administration	Packaged Air Con Unit - Vertical	PACU	Carrier	50BYN01651	0506B25648	15ton/6300cfm	Administration	Mech Room	12/1/2006	\$	\$	\$	\$
LEIHOKU ES	Bldg. B - Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	38AH-024-511AA	1106G04024	20 ton	Library	Outdoor Encl	12/1/2006	\$	\$	\$	\$
LEIHOKU ES	Bldg. B - Library	Air Handling Unit	AHU-1	Carrier	39MN-17 B005D3V11XGS	1706U07500	8000 cfm	Library	Mech Room	12/1/2006	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC060-621	3205X50812	5 ton	SPED Classrm	Outside Encl	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Air-Cooled Condensing Unit	ACCU-2	Carrier	38HDC060-621	3205X50816	5 ton	SPED Classrm	Outside Encl	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HDC060-621	3205X50818	5 ton	SPED Classrm	Outside Encl	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Air-Cooled Condensing Unit	ACCU-4	Carrier	38HDC060-621	3205X50817	5 ton	SPED Classrm	Outside Encl	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Fan Coil Unit	FCU-1	Carrier	FK4DNB006	0704A73855	? cfm	SPED Classrm	Mech Room	12/1/2005	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
MAKAKILO ES	Bldg. H - SPED Classrooms	Fan Coil Unit	FCU-2	Carrier	FK4DNB006	3504A73612	? cfm	SPED Classrm	Mech Room	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Fan Coil Unit	FCU-3	Carrier	FK4DNB006	3504A73613	? cfm	SPED Classrm	Mech Room	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Fan Coil Unit	FCU-4	Carrier	FK4DNB006	3504A73557	? cfm	SPED Classrm	Mech Room	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. H - SPED Classrooms	Mot. FA & EA Dampers	MD-7s	Pottorff	CD-42	N/A	N/A	SPED Classrm	SP Clrm/MechRm	12/1/2005	\$	\$	\$	\$
MAKAKILO ES	Bldg. J - Library	Packaged Air Conditioning Unit	PACU-1	Trane	TCH240B300C	J011422390	20 ton	Total Library	Outside Encl	9/1/1994	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC036-610	1095X15157	3 ton	Media Control	Outdoor Encl	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Air-Cooled Condenser	ACCU-2	Carrier	09DK024-600	3012Q62381	20 ton	Main Library	Outdoor Encl	7/27/2013	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Air-Cooled Condensing Unit	ACCU-3A	Carrier	38HDC048-610	3494X09125	4 ton	Library Offices	Outdoor Encl	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Air-Cooled Condensing Unit	ACCU-3B	Carrier	38HDC048-610	Unknown	4 ton	Library Offices	Outdoor Encl	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Air Handling Unit	AHU-2	Carrier	50BK024-630	1696V92979	8000 cfm	Main Library	Mech Room	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Air Handling Unit	AHU-3	Carrier	39NXV072NVV78285	0796T78285	3200 cfm	Library Offices/ELS Rm.	Mech Room	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Electric Duct Heater	EDH-1	Delta Flo	EH-12N-346	9551	11.7 KW	Media Control	Mech Room	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. C - Admin/Library	Fan Coil Unit	FCU-1	Carrier	F84ANF036	2495A00511	1100 cfm	Media Control	Mech Room	5/1/1996	\$	\$	\$	\$
MAUKA LANI ES	Bldg. D - Classrooms (5)	Packaged Air Conditioning Unit	PACU-1	York	D35K180A46A	KKSP000513	15.5T/5650Cfm	First Floor	1st Flr Mech Rm	4/1/2008	\$	\$	\$	\$
MAUKA LANI ES	Bldg. D - Classrooms (5)	Packaged Air Conditioning Unit	PACU-2	York	D35K144A46B	KKSP000493	12.5T/4800Cfm	Second Floor	2nd Flr Mech Rm	4/1/2008	\$	\$	\$	\$
NANAKULI ES	Bldg. A - Admin/Library	Air-Cooled Condensing Unit	ACCU-1	Trane	H4CE180A46A	NOM5267394	4 ton	Teach Wkrm		5/1/1998	\$	\$	\$	\$
NANAKULI ES	Bldg. A - Admin/Library	Air-Cooled Condensing Unit	ACCU-2	Trane	2TB3036A1000CA	13331LMB3F	3 ton	Media Control		5/1/1998	\$	\$	\$	\$
NANAKULI ES	Bldg. A - Admin/Library	Fan Coil Unit	FCU-1	Trane	TWE048C140B3	M404TP11V	1300 cfm	Teach Wkrm	Mech. Rm.	5/1/1998	\$	\$	\$	\$
NANAKULI ES	Bldg. A - Admin/Library	Fan Coil Unit	FCU-2	Trane	TWE036C140A1	K35870234	900 cfm	Media Control	Mech. Rm.	5/1/1998	\$	\$	\$	\$
NANAKULI ES	Bldg. A - Admin/Library	Packaged Air Conditioning Unit	PACU-1	Trane	SCAAC1540G03J11B4	A97MC48004	12 ton	Library	Mech. Rm.	5/1/1998	\$	\$	\$	\$
NANAKULI ES	Bldg. F - Classrooms (8)	Air Handling Unit	AHU-1	Trane	SCRFM3043D08H2151	102D22142	14590 cfm	Classrooms	Mech. Rm.	7/1/2002	\$	\$	\$	\$
NANAKULI ES	Bldg. F - Classrooms (8)	Air-Cooled Condenser - Cabinet	ACCU-1	Trane	MCCA025	K02D57223	30 ton	Air Hand Unit	Mech. Rm	7/1/2002	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Air-Cooled Condensing Unit	ACCU-1	York	H4CE180A46A	NOM5267394	15 ton	Lib & Conf	Outside Encl	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Air-Cooled Condensing Unit	ACCU-2	York	H4CE180A46A	SNOG5503962	15 ton	Lib & Compt	Outside Encl	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Air Handling Unit	AHU-1	York	K3EU180A33A	NOM6219313	6000 cfm	Lib & Conf	Mech. Rm-2	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Dehumidifier	DH-1	ComfortAire	BHD-651B	511TA002095	65 Pints	Library	Wall Mount	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Dehumidifier	DH-2	ComfortAire	BHD-651A	412TA002502	65 Pints	Library	Wall Mount	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Dehumidifier	DH-3	ComfortAire	BHD-651B	511TA002024	65 Pints	Library	Wall Mount	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Dehumidifier	DH-4	ComfortAire	BHD-651B	511TA002208	65 Pints	Library	Wall Mount	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. A - Admin/Library	Air Handling Unit	AHU-2	York	K3EU180A33A	NOL6146308	6200 cfm	Lib & Compt	Mech. Rm-1	12/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. L - Music	Air Handling Unit	AHU-1	Dunham Bush	HCS08LF8956601	8956601A97E	4060 cfm	Band Room	Mech. Mezz.	9/1/1997	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. L - Music	Air Handling Unit	AHU-2	Dunham Bush	HCS06LF8956602	8956602A97E	2280 cfm	Choral Room	Mech. Mezz.	9/1/1997	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. L - Music	Air Handling Unit	AHU-3	Dunham Bush	CC0800	8956604A97E	600 cfm	Ofc/Lib/Ensem	Mech. Mezz.	9/1/1997	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. L - Music	Packaged Chiller Unit - Air-Cooled	CH-1	Trane	CGAFC254ALA10000	C07C02599	22 ton	Tot Music Bldg	Outside Encl	6/29/1905	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. L - Music	Chilled Water Pump	CHWP-1	PACO	10-12707		58 gpm	Tot Music Bldg	Mech. Mezz.	9/1/1997	\$	\$	\$	\$
NANAKULI HS & IS	Bldg. P5 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A02XX4XXX	236K041952579-02	4 ton	Portable P5	Bldg Wall Mount	8/1/2006	\$	\$	\$	\$
NANAKULI HS & IS	Bldg P6 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA453-A02VP4XXJ	382F153231809-02	4.0 Ton	Bldg P6	Wall Mounted	8/8/2015	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

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NANAKULI HS & IS	Bldg P7 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA453-A0ZVP4XXJ	382F153231808-02	4.0 Ton	Bldg P7	Wall Mounted	8/8/2015	\$	\$	\$	\$
NANAKULI HS & IS	Bldg P8 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA453-A0ZVP4XXJ	382F153231807-02	4.0 Ton	Bldg P8	Wall Mounted	8/8/2015	\$	\$	\$	\$
NANAKULI HS & IS	Bldg P9 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA453-A0ZVP4XXJ	382F153231806-02	4.0 Ton	Bldg P9	Wall Mounted	8/8/2015	\$	\$	\$	\$
PEARL CITY ES	Bldg. F - Library	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W24A1-A0ZXP4XXJ	314B112780446-02	2 ton	Media Center	Bldg Wall Mount	6/14/2011	\$	\$	\$	\$
PEARL CITY ES	Bldg. B - Classrooms	Outside Air Unit	OAU-1	AAON, Inc	RN-010-8-A-EB19-000	201609-ANCJ11403	2640 cfm	Total Bldg B	Roof	5/5/2017	\$	\$	\$	\$
PEARL CITY ES	Bldg. C - Classrooms	Outside Air Unit	OAU-1	AAON, Inc	RN-010-8-A-EB19-000	201609-ANCJ11593	10 ton 2640 cfm	Total Bldg C	Roof	5/5/2017	\$	\$	\$	\$
PEARL CITY HS	Bldg. I - Music	Air-Cooled Condensing Unit	ACCU-1	Liebert	MCD24ALP00	0118N46880	2 ton	Office	Mech. Room	9/1/2001	\$	\$	\$	\$
PEARL CITY HS	Bldg. I - Music	Fan Coil Unit	FCU-1	Liebert	MMD24E-P00D0	003063520	1190 cfm	Office	Off Clg Space	9/1/2001	\$	\$	\$	\$
PEARL CITY HS	Bldg. I - Music	Packaged Air Conditioning Unit - Vertical	PACU-1	Typhoon	95100-21 SCAV	0511011636	10 ton	Choral Room	Mech. Room	9/1/2001	\$	\$	\$	\$
PEARL CITY HS	Bldg. I - Music	Packaged Air Conditioning Unit - Vertical	PACU-2	Typhoon	95150-21 SCAV	0511011635	15 ton	Band Room	Mech. Room	9/1/2001	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Packaged Air Conditioning Unit	PACU-1	Johnson Controls	DSV240A2E2AAA0AA	1110-5160	20 ton	Library	Mech Room	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Packaged Air Conditioning Unit	PACU-2	Johnson Controls	DSV120A2E1AAA0AA	1110-5159	10 ton	Workroom	Mech Room	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P48NHMU	03U00528B	4 ton	Computer Lab	Outdoor Enclosure	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUMY-P36NHMU	02U00274A	3 ton	Server Room	Outdoor Enclosure	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Fan Coil Unit	FCU-1A	Mitsubishi	PLFY-P36NBMUE	08A01166D	3 ton	Computer Lab	Computer Lab	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Fan Coil Unit	FCU-1B	Mitsubishi	PLFY-P24NBMUE	02A01854A	2 ton	Computer Lab	Computer Lab	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. J - Library	Fan Coil Unit	FCU-2	Mitsubishi	PLFY-P30NBMUE	07A00812D	2.5 ton	Server Room	Server Room	Unknown	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A42NHA4	3ZU14672A	3 ton	West Add'n	Outdoor Slab	12/1/1995	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A42NHA4	3ZU14074A	2.5 ton	East Add'n	Outdoor Slab	12/1/1995	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Air Handling Unit	AHU-1	Trane	CSAA014UAK00	K14F55131	? cfm	Auditorium	Mech. Room	9/1/1994	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Air Handling Unit	AHU-2	Trane	CSAA014UAK01	K14F55137	? cfm	Auditorium	Mech. Room	9/1/1994	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Air Handling Unit	AHU-3	Trane	CSAA012UAK02	K14F55143	? cfm	Auditorium	Mech. Room	9/1/1994	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Packaged Chiller Unit - Air-Cooled	CH-1	Trane	CGAM070A2LO2AXD2A1A1A1 DXXA1A1A4XXAXXAXA3A1D 1XXLXX	U14H43782	70 ton	Total Building	Outdoor Encl	9/1/1994	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Chilled Water Pump	CHWP-1	WEG	0071BET3P213T-W22	1020381107	160 gpm	Total Building	Mech. Room	9/1/1994	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Fan Coil Unit	FCU-1	Trane	BCHC072E1G0A3M05F	T14F31413	? cfm	2nd Flr	C.R. Clg	12/1/1995	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Fan Coil Unit	FCU-2	Mitsubishi	PEAD-A24AA4G	33W02752	? cfm	West Add'n		12/1/1995	\$	\$	\$	\$
PEARL CITY HS	Bldg. R - Pearl City Cultural Center	Fan Coil Unit	FCU-3	Mitsubishi	PEAD-A24AA4G	33W02776	? cfm	East Add'n	Cast. Stor. Clg	9/1/1994	\$	\$	\$	\$
PEARL CITY HS	Bldg. TP-1 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A00	236F04191683702	4 ton	Portable TP-1	Bldg Wall Mount	7/1/2005	\$	\$	\$	\$
PEARL CITY HS	Bldg. TP-2 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A00	236F04191683902	4 ton	Portable TP-2	Bldg Wall Mount	7/1/2005	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA48ACD000Q111	EAF12445406	4 ton	Classroom A-1	Classroom A-1	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-2	Marvair	VAISA48ACD000Q111	EAF12445403	4 ton	Classroom A-2	Classroom A-2	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-3	Marvair	VAISA60ACD000Q111	EAF12438303	5 ton	Classroom A-3	Classroom A-3	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-4	Marvair	VAISA48ACD000Q111	EAF12438206	4 ton	Classroom A-4	Classroom A-4	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-5	Marvair	VAISA48ACD000Q111	EAF12445404	4 ton	Classroom A-5	Classroom A-5	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-6	Marvair	VAISA48ACD000Q111	EAF12438203	4 ton	Classroom A-6	Classroom A-6	7/19/2012	\$	\$	\$	\$

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POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-7	Marvair	VAISA48ACD000Q111	EAF12445401	4 ton	Classroom A-7	Classroom A-7	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-8	Marvair	VAISA48ACD000Q111	EAF124454018	4 ton	Classroom A-8	Classroom A-8	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-9	Marvair	VAISA48ACD000Q111	EAF124454013	4 ton	Classroom A-9	Classroom A-9	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. A - Classrooms	Packaged Air Conditioning Unit	PACU-10	Marvair	VAISA48ACD000Q111	EAF12438203	4 ton	Classroom A-10	Classroom A-10	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Fan Coil Unit	FCU-1	Daikin	FXAG24PVJU	E000204	2 ton	Classroom B-2	Classrm Soffit	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Fan Coil Unit	FCU-2	Daikin	FXAG24PVJU	E000198	2 ton	Classroom B-1	Classrm Soffit	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Fan Coil Unit	FCU-3	Daikin	FXAG24PVJU	E000207	2 ton	Classroom B-1	Classrm Soffit	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Fan Coil Unit	FCU-4	Daikin	FXAG24PVJU	E000208	2 ton	Classroom B-2	Classrm Soffit	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Daikin	RXYQ96PBYD	A000278	8 ton	Classroom B-1 & B-2	Outside Encl	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-1	Marvair	VAISA48ACD000Q111-HI-216-VAR	EAF12438204	4 ton	Classroom B-3	Classroom B-3	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-2	Marvair	VAISA48ACD000Q111-HI-216-VAR	EAF12445401	4 ton	Classroom B-4	Classroom B-4	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-3	Marvair	VAISA48ACD000Q111-HI-216-VAR	EAF124454016	4 ton	Classroom B-5	Classroom B-5	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-4	Marvair	VAISA48ACD000Q111-HI-216-VAR	EAF12445408	4 ton	Classroom B-6	Classroom B-6	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-5	Marvair	VAISA48ACD000Q111-HI-216-VAR	EAF12438205	4 ton	Classroom B-7	Classroom B-7	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-6	Marvair	VAISA60ACD000Q111-HI-216-VAR	EAF12438301	5 ton	Classroom B-8 (Computer)	Classroom B-8	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-7	Marvair	VAISA60ACD000Q111-HI-216-VAR	EAF12445501	5 ton	Classroom B-9 (Computer)	Classroom B-9	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. B - Classrooms	Packaged Air Conditioning Unit - Vertical	PACU-8	Marvair	VAISA48ACD000Q111-HI-216-VAR	EAF124454017	4 ton	Classroom B-10	Classroom B-10	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-1	Marvair	VAISA48ACD000Q111	EAF124454010	4 ton	Classroom C-1	Classroom C-1	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-2	Marvair	VAISA48ACD000Q111	EAF12445403	4 ton	Classroom C-2	Classroom C-2	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-3	Marvair	VAISA48ACD000Q111	EAF12438201	4 ton	Classroom C-3	Classroom C-3	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-4	Marvair	VAISA48ACD000Q111	EAF124454014	4 ton	Classroom C-4	Classroom C-4	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-5	Marvair	VAISA48ACD000Q111	EAF124454012	4 ton	Classroom C-5	Classroom C-5	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-6	Marvair	VAISA48ACD000Q111	EAF12438202	4 ton	Classroom C-6	Classroom C-6	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-7	Marvair	VAISA48ACD000Q111	EAF12445405	4 ton	Classroom C-7	Classroom C-7	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-8	Marvair	VAISA60ACD000Q111	EAF12438302	4 ton	Classroom C-8	Classroom C-8	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-9	Marvair	VAISA48ACD000Q111	EAF12445409	4 ton	Classroom C-9	Classroom C-9	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. C - Classrooms	Packaged Air Conditioning Unit	PACU-10	Marvair	VAISA48ACD000Q111	EAF124454015	4 ton	Classroom C-10	Classroom C-10	7/19/2012	\$	\$	\$	\$
POHAKEA ES	Bldg. E - Administration	Packaged Air Conditioning Unit	PACU-1	York	DSV120A4E1DAA0A-A	12027024		Total Building	Mech. Room	June 2012	\$	\$	\$	\$
POHAKEA ES	Bldg. P-1 & P-2 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA602-A10XX4XXX	153J072380994-02	5 ton	Classroom P-1 & 2	Classroom P-1 & 2	1/1/167???	\$	\$	\$	\$
POHAKEA ES	Bldg. P-3 & P-4 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Eubank	V448800A1FDS-NB	DC23419	Unknown	Classroom P-3 & 4	Classroom P-3 & 4	1/1/167???	\$	\$	\$	\$
POHAKEA ES	Bldg. P-5 & P-6 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Bard	WA602-A02XX4XXX	324K153259774-02	5 ton	Classroom P-5 & 6	Classroom P-5 & 6	1/1/167???	\$	\$	\$	\$
WAIANAE ES	Bldg. L - Library	Packaged Air Con Unit - Vertical	PACU-1	Carrier	50XCA24AAQJ5AAJ0AA	0211U01330	20 ton	Total Library	Mech. Room	12/3/2011	\$	\$	\$	\$
WAIANAE ES	Bldg. TP-1 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A00XX4	23F04191684302	4 ton	Portable TP-1	Bldg Wall Mount	7/1/2005	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-1	Marvair	VASIA36ACDOOQGIH-HI-216-VAR	DAF12340604	3 ton	Rm 101A - 101E	Rm 101A-101E	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-2	Marvair	VASIA40ACDOOQGIH-HI-216-VAR	DAF12340702	3.5 ton	Rm 102A-102B	Rm 102A-102B	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-3	Marvair	VASIA36ACDOOQGIH-HI-216-VAR	DAF12340602	3 ton	Rm 103	Rm 103	8/26/2011	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

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WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-4A	Marvair	VASIA24ACDOOQGIII-HI-216 VAR	DAF12340503	2 ton	Rm 104	Rm 104	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-4B	Marvair	VASIA24ACDOOQGIII-HI-216 VAR	DAF12340504	2 ton	Rm 104	Rm 104	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-5	Marvair	VASIA48ACDOOQGIII-HI-216 VAR	DAF12340602	4 ton	Rm 105	Rm 105	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-6	Marvair	VASIA40ACDOOQGIII-HI-216 VAR	DAF12340701	3.5 ton	Rm 201	Rm 201	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-7- 1	Marvair	VASIA24ACDOOQGIII-HI-216 VAR	DAF12340501	2 ton	Rm 202	Rm 202	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-7- 2	Marvair	VASIA24ACDOOQGIII-HI-216 VAR	n/a	2 ton	Rm 202	Rm 202	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-8	Marvair	VASIA36ACDOOQGIII-HI-216 VAR	DAF12340603	3 ton	Rm 203	Rm 203	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-9A	Marvair	VASIA36ACDOOQGIII-HI-216 VAR	DAF12340601	3 ton	Rm 204	Rm 204	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-9B	Marvair	VASIA36ACDOOQGIII-HI-216 VAR	DAF12340605	3 ton	Rm 204	Rm 204	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. B - Classrooms	Packaged Air Conditioning Unit	PACU-10	Marvair	VASIA48ACDOOQGIII-HI-216 VAR	DAF12340802	4 ton	Rm 205	Rm 205	8/26/2011	\$	\$	\$	\$
WAIANAE HS	Bldg. H - Administration	Air-Cooled Condensing Unit	ACCU-1	Carrier	38AKS016-S10	3400F26332	15 ton	Admin Ofcs	Outside Encl	12/1/2000	\$	\$	\$	\$
WAIANAE HS	Bldg. H - Administration	Air Handling Unit	AHU-1	Carrier	39THSPACGAB	4000F36685	4800 cfm	Admin Ofcs	Mech Encl	12/1/2000	\$	\$	\$	\$
WAIANAE HS	Bldg. N - Music	Air-Cooled Condensing Unit	ACCU-1	Trane	TTA180C300DA	N365R8YAH	15 ton	Band Room	Outside Encl	12/1/1998	\$	\$	\$	\$
WAIANAE HS	Bldg. N - Music	Air-Cooled Condensing Unit	ACCU-2	Trane	TTA120C300DA	N354T83AH	10 ton	Band Office	Outside Encl	12/1/1998	\$	\$	\$	\$
WAIANAE HS	Bldg. N - Music	Air-Cooled Condensing Unit	ACCU-3	Trane	TTA120C300DA	N335ND6AH	10 ton	College Career	Outside Encl	12/1/1998	\$	\$	\$	\$
WAIANAE HS	Bldg. N - Music	Air Handling Unit	AHU-1	Carrier	39LA1081	2991T18090	3600 cfm	Band Room	Mech. Mezz.	1/1/1991	\$	\$	\$	\$
WAIANAE HS	Bldg. N - Music	Air Handling Unit	AHU-2	Carrier	39LA1061	2991T18092	1950 cfm	Band Office	Mech. Mezz.	1/1/1991	\$	\$	\$	\$
WAIANAE HS	Bldg. N - Music	Air Handling Unit	AHU-3	Carrier	39LA1061	n/a	2395 cfm	College Career	Mech. Mezz.	1/1/1991	\$	\$	\$	\$
WAIANAE HS	Bldg. Q - Library	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUHY-P72TKMU-A	23W00437	6 ton	Library Server Room	Exterior	12/17/2014	\$	\$	\$	\$
WAIANAE HS	Bldg. Q - Library	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PKFY-P24NKMU-E2	2YM00507	2 ton	Library Server Room	Wall Mounted	12/17/2014	\$	\$	\$	\$
WAIANAE HS	Bldg. Q - Library	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PKFY-P24NKMU-E2	2YM00501	2 ton	Library Server Room	Wall Mounted	12/17/2014	\$	\$	\$	\$
WAIANAE HS	Bldg. Q - Library	Fan Coil Unit - Ductless Split System	FCU-DS-3	Mitsubishi	PKFY-P24NKMU-E2	2YM00494	2 ton	Library Server Room	Wall Mounted	12/17/2014	\$	\$	\$	\$
WAIANAE HS	Bldg. SP - Media Center	Packaged Air Conditioning Unit	PACU-1	Trane	SCIH15033A01110A	BR080252213	? ton	Classrooms	Mech Room	8/27/2003	\$	\$	\$	\$
WAIANAE HS	Bldg. SP-3 and SP-4	Packaged Air Conditioning Unit	PACU-1	Trane	SCIH10033A01010	B120850331	Unknown	Bldg. SP-3 and SP-4		12/17/2014	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-1	Marvair	SAUV-0434-AAC	SA07-011-4655	2100 cfm	Faculty Serving	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-2	Marvair	SAUV-0534-AAC	SA07-011-4656	2100 cfm	Dining Area	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-3	Marvair	SAUV-0534-AAC	SA07-011-4657	2100 cfm	Food Services	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-4	Marvair	SAUV-0534-AAC	SA07-011-4658	2100 cfm	Lecture Room 103	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-5	Marvair	SAUV-0434-AAC	SA07-011-4663	1600 cfm	Biology	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-6	Marvair	SAUV-0434-AAC	SA07-011-4664	1600 cfm	Biology	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-7	Marvair	SAUV-0434-AAC	SA07-011-4666	1600 cfm	Chemistry	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-8	Marvair	SAUV-0434-AAC	SA07-011-4665	1600 cfm	Chemistry	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-9	Marvair	SAUV-0434-AAC	SA07-011-4667	1600 cfm	SPED Stud Svcs	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-10	Marvair	SAUV-0534-AAC	SA07-011-4659	1000 cfm	Classroom 1	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-11	Marvair	SAUV-0534-AAC	SA07-011-4660	960 cfm	Classroom 2	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-12	Marvair	SAUV-0534-AAC	SA07-011-4661	960 cfm	Classroom 3	Rm Mech Closet	1/1/2008	\$	\$	\$	\$
WAIANAE HS	Bldg. DD - Classrooms (8) (Bldg FS)	Packaged Air Conditioning Unit	PACU-13	Marvair	SAUV-0534-AAC	SA07-011-4662	1000 cfm	Classroom 4	Rm Mech Closet	1/1/2008	\$	\$	\$	\$

Appendix G
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(MAINTENANCE AND REPAIR SERVICE)

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WAIANAE HS	Bldg. T-1 - Admin Offices	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA241-A10	40C00144455302	7 ton	Portable T-1	Bldg Wall Mount	6/1/2001	\$	\$	\$	\$
WAIANAE HS	Bldg. TR1-2 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W60A1-AOZXP4XXJ	324C13299731602	4 ton	Portable TR1-2	Bldg Wall Mount	6/1/2004	\$	\$	\$	\$
WAIANAE HS	Bldg. TR3-4 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W60A1-AOZXP4XXJ	324C13299731002	4 ton	Portable TR3-4	Bldg Wall Mount	6/1/2004	\$	\$	\$	\$
WAIANAE IS	Bldg. D - Music	Air-Cooled Condensing Unit	ACCU-1	York	H3CE120A46A	SNOM9394785	7 ton	Band Room	Outside Encl	8/1/2009	\$	\$	\$	\$
WAIANAE IS	Bldg. D - Music	Air handling Unit	AHU-1	Carrier	39LB10AA-BF-ALP-19	0309401417	7 cfm	Band Room	Mech. Mezz.	8/1/2009	\$	\$	\$	\$
WAIANAE IS	Bldg. D - Music	Air-Cooled Condensing Unit	ACCU-2	Carrier	38ARS012-611	0209G30124	7 ton	Choral Room	Outside Encl	8/1/2009	\$	\$	\$	\$
WAIANAE IS	Bldg. D - Music	Air handling Unit	AHU-2	Carrier	39LB10AA-BF-ALP-A9	0309U01406	7 cfm	Choral Room	Mech. Mezz.	8/1/2009	\$	\$	\$	\$
WAIANAE IS	Bldg. F - Language Lab	Packaged Air Conditioning Unit	PACU-1	Trane	TCH-060-A-400BA	F24116690	5 ton	Classroom	Roof	1/1/1991	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Packaged Chiller Unit - Air-Cooled	CH-1	McQuay or	AGZ050EPTNN-ER00	STMU141000007	50 ton	Total Bldg	Outside Encl	1/1/2015	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Chilled Water Pump	CHWP-1	Baldor	CE2010VJMM3710T	37R71W452	130 gpm	Total Bldg	Outside Encl	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-1	McQuay	U-AVS-3-S15	AUBA084276	1500 cfm	CR J-1	CR J-1	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-2	McQuay	U-AVS-3-S15	AUBA084269	1500 cfm	CR J-2	CR J-2	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-3	McQuay	U-AVS-3-S15	AUBA084277	1500 cfm	CR J-3	CR J-3	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-4	McQuay	U-AVS-3-S15	AUBA084260	1500 cfm	CR J-4	CR J-4	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-5	McQuay	U-AVS-3-S15	AUBA084279	1500 cfm	CR J-5	CR J-5	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-6	McQuay	U-AVS-3-S15	AUBA084270	1500 cfm	CR J-6	CR J-6	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-7	McQuay	U-AVS-3-S15	AUBA084275	1500 cfm	CR J-7	CR J-7	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-8	McQuay	U-AVS-3-S15	AUBA084272	1500 cfm	CR J-8	CR J-8	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-9	McQuay	U-AVS-3-S15	n/a	1500 cfm	CR J-9	CR J-9	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-10	McQuay	U-AVS-3-S15	AUBA084273	1500 cfm	CR J-10	CR J-10	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-11	McQuay	U-AVS-3-S15	AUBA084274	1500 cfm	CR J-11	CR J-11	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Floor Mounted	UV-12	McQuay	U-AVS-3-S15	AUBA084271	1500 cfm	CR J-12	CR J-12	9/1/2000	\$	\$	\$	\$
WAIANAE IS	Bldg. J - Classrooms (13)	Unit Ventilator - Ceiling Mounted	UV-13	McQuay	U-AVS-3-S15	AUBA084281	1500 cfm	CR J-13	CR J-13	9/1/2000	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Packaged Air-Cooled Chiller	CH-1	Trane	CGAEC50EAEIGHRT	J97H82930	40 ton	Total Bldg	Outdoor Encl	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Chilled Water Pump	CHWP-1	Aurora	342A	N/A	74 gpm	Total Bldg	Outdoor Encl	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-1	Trane	BCHB0541AD0A	R97H04059	1400 cfm	Clstrm C20	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-2	Trane	BCHB0541AD0A	R97H04052	1400 cfm	Clstrm C21	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-3	Trane	BCHB0541AD0A	R97H04050	1400 cfm	Clstrm C22	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-4	Trane	BCHB0541AD0A	R97H04049	1400 cfm	Clstrm C23	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-5	Trane	BCHB0721AD0A	R97H04055	1600 cfm	Clstrm C27	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-6	Trane	BCHB0721AD0A	R97H04056	1600 cfm	Clstrm C26	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-7	Trane	BCHB0721AD0A	R97H04053	1600 cfm	Clstrm C25	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. C - Classrooms (8)	Fan Coil Unit	FCU-8	Trane	BCHB0721AD0A	R97H04054	1600 cfm	Clstrm C24	Outdr Soffit	3/1/1998	\$	\$	\$	\$
WAIPAHU ES	Bldg. K - Library	Air-Cooled Condenser - Cabinet	ACC-1	Trane	TC-17	K78A31372		Library	Mech. Room	Unknown	\$	\$	\$	\$
WAIPAHU ES	Bldg. K - Library	Air-Cooled Condensing Unit	ACCU-1	GoodMen	GSC130241DA	0902050939		Admin. Office	Roof	Unknown	\$	\$	\$	\$
WAIPAHU ES	Bldg. K - Library	Air-Cooled Condensing Unit	ACCU-2	Lennox	HS29-036-1P	5899C05442		Health Rm	Roof	Unknown	\$	\$	\$	\$
WAIPAHU ES	Bldg. K - Library	Air Conditioning Unit - Vertical	AHU-1	Trane	SRUA-2006-MA	N/A		Library	Mech. Room	Unknown	\$	\$	\$	\$

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WAIPAHU ES	Bldg. K - Library	Fan Coil Unit	FCU-1	Lennox	LXCM30C	MJFJ00135		Admin. Office	Office	Unknown	\$	\$	\$	\$
WAIPAHU ES	Bldg. K - Library	Fan Coil Unit	FCU-2	Lennox	LXCM40C	MJFD00009		Health Rm		Unknown	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Packaged Air-Cooled Chiller	CH-1	Carrier	30RAP0405FA01DJ4	3313Q48829	Unknown	Total Bldg	Mechanical Rm #1	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Reheat	RH-1	Doucette Ind., Inc.	AC40-2 (C-T) P.230V-410A	232-13	Unknown	Total Bldg	Mechanical Rm #1	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit	ACCU-1	LG	LMU247HV	101KAXV00914	2 ton	1st & 2nd Fl Comm Rms	Mechanical Rm #1	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless Split System	FCU-1	LG	LMN126HVT	101KAVH01039	1 ton	1st Fl Comm Rm	Wall-Mounted	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless Split System	FCU-2	LG	LMN126HVT	102KASL00550	1 ton	2nd Fl Comm Rm	Wall-Mounted	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-1	Carrier	42BVE16LE46L6161EH	868581-30-1	1600 cfm	Unknown	Mechanical Rm #2	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-2	Carrier	42BVE16LE4R61616EH	868591-40-3	1600 cfm	Unknown	Mechanical Rm #2	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-3	Carrier	42BVE10LE4L61014EH	868591-10-1	1000 cfm	Unknown	Mechanical Rm #3	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-4	Carrier	42BVE10LE4R61014EH	868591-20-1	1000 cfm	Unknown	Mechanical Rm #4	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-5	Carrier	42BVE30LE4L62515GH	868591-50-2	3000 cfm	Unknown	Mechanical Rm #5	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-6	Carrier	42BVE16LE4L61616EH	868591-30-2	1600 cfm	Unknown	Mechanical Rm #6	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-7	Carrier	42BVE16LE4R61616EH	868591-40-2	1600 cfm	Unknown	Mechanical Rm #6	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-8	Carrier	42BVE16LE4L61616EH	868591-30-3	1600 cfm	Unknown	Mechanical Rm #7	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-9	Carrier	42BVE16LE4R61616EH	868591-40-1	1600 cfm	Unknown	Mechanical Rm #7	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. L - Classrooms	Air Handler Unit	AHU-10	Carrier	42BVE30LE4L62515GH	868591-50-1	3000 cfm	Unknown	Mechanical Rm #8	6/19/2014	\$	\$	\$	\$
WAIPAHU ES	Bldg. P19 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A0Z	236H06220973802	4 ton	Portable P19	Bldg Wall Mount	11/1/2006	\$	\$	\$	\$
WAIPAHU ES	Bldg. P20 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A0Z	236K06223120502	4 ton	Portable P20	Bldg Wall Mount	11/1/2006	\$	\$	\$	\$
WAIPAHU ES	Bldg. P21 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A0Z	236H07235871202	4 ton	Portable P21	Bldg Wall Mount	12/1/2007	\$	\$	\$	\$
WAIPAHU ES	Bldg. P22 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A0Z	236F07235263802	4 ton	Portable P22	Bldg Wall Mount	12/1/2007	\$	\$	\$	\$
WAIPAHU ES	Bldg. P23 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A0Z	236J07238240302	4 ton	Portable P23	Bldg Wall Mount	12/1/2007	\$	\$	\$	\$
WAIPAHU ES	Bldg. P24 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA484-A0Z	Unknown	4 ton	Portable P24	Bldg Wall Mount	12/1/2007	\$	\$	\$	\$
WAIPAHU HS	Bldg. D - Music	Air-Cooled Condensing Unit	ACCU-1	Trane	TTA150B300EA	61726DFAD	12.5 ton	Band Rm	Roof	7/2/2007	\$	\$	\$	\$
WAIPAHU HS	Bldg. D - Music	Air-Cooled Condensing Unit	ACCU-2	Trane	TTA120A300FA	6355YMFAD	10 ton	Choral Rm	Roof	7/4/2007	\$	\$	\$	\$
WAIPAHU HS	Bldg. D - Music	Air Handling Unit	AHU-1	Trane	MCCB010UA0B0UA	K07D47038	10 ton	Band Rm	Mech. Room	7/1/2007	\$	\$	\$	\$
WAIPAHU HS	Bldg. D - Music	Air Handling Unit	AHU-2	Trane	MCCB008UA0BOUA	K07D47043	10 ton	Choral Rm	Mech. Room	7/3/2007	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Packaged Air-Cooled Chiller	CH-1	Carrier	30GT020-60242	2499F27722	20 ton	Clrms4,9&10	Outdoor Encl	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Chilled Water Pump	CHWP-1	Aurora	6VB145TFR5539AG	N/A	50 gpm	Clrms4,9&10	Outdoor Encl	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Unit Ventilator	UV-1	Amer Air Filter	AH005C11	79D0714902	1000 cfm	Classrm 4	Classrm 4	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Unit Ventilator	UV-2	Amer Air Filter	AH005C11	79D0714802	1000 cfm	Classrm 4	Classrm 4	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Unit Ventilator	UV-3	Amer Air Filter	AH006C11	9690067050	1200 cfm	Classrm 9	Classrm 9	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Unit Ventilator	UV-4	Amer Air Filter	AH006C11	79D0710002	1200 cfm	Classrm 9	Classrm 9	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Unit Ventilator	UV-5	Amer Air Filter	AH004C11	79D0724702	800 cfm	Classrm 10	Classrm 10	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Unit Ventilator	UV-6	Amer Air Filter	AH004C11	79D0724602	800 cfm	Classrm 10	Classrm 10	8/1/1999	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Fan Coil Unit	FCU-7-A	Mitsubishi	PLFY-P18NBMU-E	1ZA02571A	18,000 btu	Classrm 3	Classrm 3	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Fan Coil Unit	FCU-7-B	Mitsubishi	PLFY-P18NBMU-E	1YA02496A	18,000 btu	Classrm 3	Classrm 3	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Fan Coil Unit	FCU-7-C	Mitsubishi	PLFY-P18NBMU-E	1ZA02603A	18,000 btu	Classrm 3	Classrm 3	Unknown	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
WAIPAHU HS	Bldg. I - Classrooms	Fan Coil Unit	FCU-7-D	Mitsubishi	PLFY-P18NBMU-E	1ZA02605A	18,000 btu	Classrm 3	Classrm 3	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Mitsubishi	PUHY-P72TJMUAB	13W00049	6 ton	Classrm3	Outdoor Encl	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Energy Recovery Ventilator	ERV-7	Mitsubishi	LGH-F470RX3-E	00000694	470 cfm	Classrm 3	Classrm 3	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. I - Classrooms	Supply Fan	SF-7	Greenheck	BDF-200-7-BH-X	128836831205	4,200 cfm	Classrm 3	Classrm 3	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. J - Language Lab	Packaged Air Conditioning Unit	PACU-1	Carrier	50TJ006-601	1298G21392	5 ton	Classrm J-5	Rooftop	Unknown	\$	\$	\$	\$
WAIPAHU HS	Bldg. L - Classrooms (SPED)	Packaged Air Conditioning Unit	PACU-1	Carrier	50HJ005-S-541	2402G10265	4 ton	SPED Classrm 3	Outdoor Encl	9/24/2002	\$	\$	\$	\$
WAIPAHU HS	Bldg. L - Classrooms (SPED)	Packaged Air Conditioning Unit	PACU-2	Carrier	50HJ005-S-541	2402G10266	4 ton	SPED Classrm 3	Outdoor Encl	9/24/2002	\$	\$	\$	\$
WAIPAHU HS	Bldg. O - Library	Air Conditioning Unit	AHU-1	Trane	MCCA035ABFOCA00000	K97D46176	16000 cfm	Total Library	Mech. Room	7/1/1997	\$	\$	\$	\$
WAIPAHU HS	Bldg. O - Library	Air-Cooled Condenser - Cabinet	ACCU-1	Trane	SCRD0354	T97D01794	35 ton	Total Library	Mech. Room	7/1/1997	\$	\$	\$	\$
WAIPAHU HS	Bldg. U - Classrooms	Fan Coil Unit	FCU-1	Carrier	FG3AAA024000AAA	0197V24161	? cfm	Storage Rm101	Stor Rm Clg	2/1/1998	\$	\$	\$	\$
WAIPAHU HS	Bldg. U - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC024-310	0197X39529	2 ton	Storage Rm101	Outdoor Encl	2/1/1998	\$	\$	\$	\$
WAIPAHU HS	Bldg. V - Classrooms	Packaged Air Conditioning Unit	PACU-1	York	D3SK240A45F	KEPP000302	20 ton	1st Flr Clsrm	1st Flr Mech Rm	3/1/2006	\$	\$	\$	\$
WAIPAHU HS	Bldg. V - Classrooms	Packaged Air Conditioning Unit	PACU-2	York	D3SK240A45F	KEPP000303	20 ton	2nd Flr Clsrm	2nd Flr Mech Rm	3/1/2006	\$	\$	\$	\$
WAIPAHU HS	Bldg. P16 - Portable Classroom	Packaged Air Conditioning Unit	PACU-1	Lennox	CHA 16-048-1Y		4 ton	Portable P16	Outdoor Encl	8/1/2001	\$	\$	\$	\$
WAIPAHU HS	Bldg. TB-3 - Portable Classroom	Packaged Air Conditioning Unit	PACU-2	Lennox	CHA 16-513-5Y	Unknown	4 ton	Portable TB-3	Outdoor Encl	8/1/2001	\$	\$	\$	\$
WAIPAHU HS	Bldg. TB-4 - Portable Classroom	Packaged Air Conditioning Unit	PACU-3	Lennox	CHA 16-048-1Y	Unknown	4 ton	Portable TB-4	Outdoor Encl	8/1/2001	\$	\$	\$	\$
WAIPAHU HS	Bldg. TB-5 - Portable Classroom	Packaged Air Conditioning Unit	PACU-4	Lennox	CHA 16-513-6Y	Unknown	4 ton	Portable TB-5	Outdoor Encl	8/1/2001	\$	\$	\$	\$
WAIPAHU HS	Bldg. P35 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W48A1-A0ZXX4XXX	343A112768096-02	48,000 btuh	Portable P-35	Bldg Wall Mount	2/1/2014	\$	\$	\$	\$
WAIPAHU HS	Bldg. P36 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W48A1-A0ZXX4XXX	343H112814244-02	48,000 btuh	Portable P-36	Bldg Wall Mount	2/1/2014	\$	\$	\$	\$
WAIPAHU HS	Bldg. P37 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	W48A1-A0ZXX4XXX	343H122916033-02	48,000 btuh	Portable P-37	Bldg Wall Mount	2/1/2014	\$	\$	\$	\$
WAIPAHU IS	Bldg. D - Library	Air Handling Unit	AHU-1	Dunham Bush	VCS-21LF10042301	10042301A91A	? cfm	Library	Mech. Room	1/1/1991	\$	\$	\$	\$
WAIPAHU IS	Bldg. D - Library	Air-Cooled Condensing Unit	ACCU-1	Dunham Bush	AU-30A	71552201A91A	? ton	Library	Mech. Room	1/1/1991	\$	\$	\$	\$
WAIPAHU IS	Bldg. D - Library	Dehumidifier	DH-1	ComforAir	BHD501G	5012350212210	50pint/day	Library	Library	8/1/2013	\$	\$	\$	\$
WAIPAHU IS	Bldg. D - Library	Dehumidifier	DH-2	ComforAir	BHD501G	500971021211212	50pint/day	Library	Library	8/1/2013	\$	\$	\$	\$
WAIPAHU IS	Bldg. D - Library	Dehumidifier	DH-3	ComforAir	BHD501G	5008770118284	50pint/day	Library	Library	8/1/2013	\$	\$	\$	\$
WAIPAHU IS	Bldg. D - Library	Dehumidifier	DH-4	ComforAir	BHD701H	5042620114103	50pint/day	Library	Library	8/1/2013	\$	\$	\$	\$
WAIPAHU IS	Bldg. L - Fine Arts (Music)	Packaged Air Conditioning Unit	PACU-1	York	XYE09A481AA1A113A2	N1H7054749	8.5 ton	Band/Choral	Roof	1/19/2018	\$	\$	\$	\$
WAIPAHU IS	Bldg. L - Fine Arts (Music)	Packaged Air Conditioning Unit	PACU-2	York	XYE09A481AA1A113A2	N1H7054750	8.5 ton	Band/Choral	Roof	1/19/2018	\$	\$	\$	\$
WAIPAHU IS	Bldg. P-5 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA48A1-A0ZXX4XXX	321K102734607-02	4 ton	Portable Classroom P-5	Bldg Wall Mount	Unknown	\$	\$	\$	\$
WAIPAHU IS	Bldg. T1 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA48A-A00XX4XXX	236H03182196102	4 ton	Portable T1	Bldg Wall Mount	7/1/2004	\$	\$	\$	\$
WAIPAHU IS	Bldg. T1 - Portable Classroom	Dehumidifier	DH-1	ComforAir	BHD501G	5009710212111200	50pint/day	Portable T1	Floor	8/1/2013	\$	\$	\$	\$
WAIPAHU IS	Bldg. T2 - Portable Classroom	Pack Air Con Unit - Wall Mnt/Vertical	PACU-1	Bard	WA48A-A00XX4XXX	236H031821962	4 ton	Portable T2	Bldg Wall Mount	7/1/2004	\$	\$	\$	\$
WAIPAHU IS	Bldg. T2 - Portable Classroom	Dehumidifier	DH-1	ComforAir	BHD501G	50123502123102	50pint/day	Portable T2	Floor	8/1/2013	\$	\$	\$	\$

Appendix G
EQUIPMENT INVENTORY AND UNIT PRICE
(MAINTENANCE AND REPAIR SERVICE)

Leeward District HVAC Schools	Building/Location	Equipment Description	EqNo	MFG	Model No	Serial No	Eq Cap	Area Served	Location	Installed	Monthly Service (Price Shall include total of 12 Service cycle/yr) (A)	Quarterly Service (Price Shall include total of 4 Service cycle/yr) (B)	Semi-Annual Service (Price Shall include total of 2 Service cycle/yr) (C)	Annual Service (Price Shall include total of one Service cycle/yr) (D)
									TOTAL (A, B, C, D)		\$ -	\$ -	\$ -	\$ -
									GRAND TOTAL (A+B+C+D)		\$ -			

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix H

EQUIPMENT INFORMATION

Exhibit A - List of Completed Repairs (1/1/18 thru 12/31/18)

Exhibit B - Ductless Split, Fresh Air Fan and Dehumidifier Equipment List (Repairs
Only)

ATTACHED

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1866225	IROQUOIS POINT ELEM BLDG F HVAC ACCU-1	ACCU-2653	1/5/18 4:18 PM	Desc: AC # 1, #2 and #3 blowing warm air - Check operations and found compressor breakers tripped. - Compressor breakers Tripped due to a rat shorting contactor. - Also found condenser fan motors contactor burnt due to gecko. - I would like to request a verbal approval to replace 2 - compressor contactors, 1- condenser contactor and rewire any burnt wires. Parts availability: in stock
1866856	KAPOLEI ELEM BLDG F HVAC FCU-4	FCU-2816	1/9/18 11:33 AM	Requesting approval to replace failed evaporator fan motor here at Kapolei Es build F 104 FCU-4. Parts in stock.
1868659	LEHUA ELEM BLDG A HVAC FCU-A-2	FCU-3684	1/18/18 7:08 AM	Replace blower wheel bearing for FCU-5 in A22.
1869332	NANAKULI HIGH & INTER BLDG A HVAC ACCU-1	ACCU-3981	1/19/18 1:44 PM	Requesting approval to replace core drier due to system have leak for ACCU-1 in Bldg A, Library . Parts are in stock.
1871581	CAMPBELL HIGH BLDG K HVAC PACU-2	PACU-2346	1/29/18 2:15 PM	replace failed A/C controller here at Campbell HS building K PACU-2.
1872369	WAIPAHU HIGH BLDG I HVAC CH-1	CH-4399	2/1/18 11:00 AM	Change out shorted chilled water pump starter and control fuses. Parts in stock and estimated at \$420. Unit is currently off and not operating. Maximo 1872369, Bldg I, Chiller not working.
1871674				Requesting approval to replace related parts for compressor and compressor is covered under warranty. related parts price is at approximately \$360 and all parts is in stock. Here at Waianae HS Bldg Q PACU-1 this is for circuit #1. Reminder circuit #2 is still not working and waiting on approval.
1875451	LEHUA ELEM BLDG C HVAC FCU-C-4	FCU-3703	2/14/18 3:47 PM	replace 2 bad bearings for the FCU in room C-4 at Lehua ES. Parts in stock. Maximo #1875451, Room C-4 Bldg C.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1875741	KAPOLEI ELEM BLDG G HVA C FCU-4	FCU-2832	2/15/18 10:22 AM	repair FCU-4 in Bldg G203, Upon trouble call checked and found blower wheel rusty off balance causing unit to make rumbling noise. Need to replace motor and blower wheel. Parts currently in stock.
1876128	WAIANAE HIGH BLDG DD H VAC PACU-2	PACU-4196	2/16/18 9:52 AM	replace bad duct smoke detector. Part is not in stock. Maximo# 1876128, Bldg FS, PACU-2, Room 103 lounge.
1877233	CAMPBELL HIGH BLDG P23 HVAC PACU-1	PACU-11863	2/21/18 12:00 PM	Replace failed condenser fan motor here at Campbell HS P23 PACU-1. Parts are in stock.
1879415	WAIANAE INTER BLDG F HV AC PACU-1	PACU-4243	3/2/18 11:46 AM	Replace liquid line drier, low pressure switch, contactor and related parts. Parts in stock. Maximo# 1879415, Bldg J, Room F-39. Unit is off.
1879738	EWA BEACH ELEM BLDG J HVAC PACU-2	PACU-2418	3/5/18 8:27 AM	Ewa Beach ES Bldg J 1-6, PACU-2. Recover Refrigerant Charge From System. Remove And Replace Compressor, Contactor, Filter Drier, And Related Components. Check System For Acid In Refrigerant Oil And Neutralize If Found. Evacuate System And Recharge With Recovered Refrigerant (if Allowable). Recharge And/or Top Off System To Full Capacity With Virgin Refrigerant. Start Up And Check Operations.
1881332	KALEIOPUU ELEM BLDG B H VAC FCU-1	FCU-2708	3/12/18 2:07 PM	Replace bad starter and Transformenr for FCU-1.
1880842	KAPOLEI ELEM BLDG B HV	VAV-2749	3/9/18 7:45 AM	Replace VAV-4 (Librarian's office) bad motor, motor capacitor and gearing wheel.
1883593	KAIMILOA ELEM BLDG D HV AC VAV-?s	VAV-2706	3/23/18 9:50 AM	replace broken thermostat inside of library for VAV-3.
1883582	KAIMILOA ELEM BLDG D HV AC VAV-?s	VAV-2706	3/23/18 9:21 AM	replace broken thermostat inside of library for VAV-2.
1884574	WAIPAHU HIGH BLDG I HVA C CH-1	CH-4399	3/28/18 9:19 AM	replace failed flow switch and related parts here at Waipahu HS Bldg I CH 1.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1878271	CAMPBELL HIGH BLDG P24 HVAC PACU-1	PACU-11864	2/27/18 1:26 AM	Remove panels as needed to access blower wheel. - Replace blower wheel assembly and disconnect wires to motor. - Remove and replace evaporator motor. - Wire motor, start up unit. - Amps rated 2.9, motor running amps 2.
1885529	HONOWAI ELEM BLDG B- 102 RM 002		4/3/18 1:23 PM	replace broken remote control for split unit in room B-2.
1886407	LEHUA ELEM BLDG A HVAC FCU-A-3	FCU-3680	4/6/18 6:52 AM	Check operations, thermostat is on. Evaporator is running, out door unit is not running. Visually noticed the room temperature on the thermostat is reading 28F. Thermostat is set at the lowest temperature 60F. Could not recalibrate the room Temperature. I would like to request a verbal approval to replace thermostat. Part availability: In stock
1884573	WAIPAHU HIGH BLDG J HVA C PACU-1	PACU-4406	3/28/18 9:18 AM	For PACU-2 in Bldg I, Library - Recover refrigerant charge from system. - Remove and replace compressor, contactor, filter drier, and related components. - Check system for acid in refrigerant oil and neutralize if found. - <u>Evacuate system and recharge wi</u>
1886882	NANAKULI HIGH & INTER BL DG A HVAC		4/9/18 12:37 PM	replace failed time clock here at nanakuli HIS BLDG A library.
1888350	PEARL CITY HIGH BLDG R		4/16/18 12:35 PM	Requesting verbal approval to replace burnt control board in condenser. Part is in stock and estimated at \$375. Maximo# 1888350, Bldg R, Green Room, ACCU-3.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1888098	KAPOLEI ELEM BLDG G HVA C ACCU-7	ACCU-2839	4/13/18 3:21 PM	ACCU-7 Bldg G203 Room 201. Recover refrigerant charge from system. Remove and replace compressor, contactor, filter drier, and related components. Check system for acid in refrigerant oil and neutralize if found. Evacuate system and recharge with recovered refrigerant (if allowable). Recharge and/or top off system to full capacity with virgin refrigerant. Start up and check operations
1885265	WAIPAHU INTER BLDG D HV AC ACCU-1	ACCU-4470	4/2/18 2:48 PM	replace 2 bad condenser fan motors. Motors are in stock. Maximo# 1885265, BLDG D, Library, ACCU-1.
1890063	KANOELANI ELEM BLDG E H VAC AHU-1	AHU-2727	4/23/18 7:19 AM	replace failed A/C controller here at kanoelani ES building E library AHU-1.
1890315	MAUKA LANI ELEM BLDG C HVAC ACCU-1	ACCU-3785	4/23/18 1:41 PM	ACCU-1 in Bldg C, Upstairs coaches room - replace the fan motor and capacitor. Also to replace the contactor and fan blade due to the conditions of the parts being rusted and worn.
1885265	WAIPAHU INTER BLDG D HV AC ACCU-1	ACCU-4470	4/2/18 2:48 PM	Requesting verbal approval to replace 2 bad condenser fan motors. Motors are in stock. Maximo# 1885265, BLDG D, Library, ACCU-1. Requesting to purchase new fan blades due to fan blade hub seized on old motors. Parts in stock
1890437	PEARL CITY ELEM BLDG K HVAC ACCU-K-4	ACCU-4046	4/24/18 8:17 AM	Check operations and found E-6 error code, communication problem between indoor unit and outdoor unit. Found led lights not lit on control board. Found power at unit. Inspect boards and found multiple geckos on front of the boards. I would like to request a verbal approval to replace boards in unit. Part availability: In Stock.
1888405	EWA ELEM BLDG B HVAC A CCU-1	ACCU-2374	4/16/18 2:32 PM	Remove and replace compressor, contactor, filter drier, and related components. For ACCU-1 in Bldg B, Library.
1891526	NANAKULI HIGH & INTER BL DG A HVAC ACCU-1	ACCU-3981	4/30/18 10:43 AM	replace leaking solenoid valve and sight glass. Parts are in stock. Maximo# 18915823, Library, Accu-1.
1891437	CAMPBELL HIGH BLDG K HV AC PACU-2	PACU-2346	4/30/18 8:38 AM	found faulty condenser fan motors causing unit to Tripp on hi pressure. Need to replace motors for PACU-2 in Bldg K, Chorus Rm.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1895547	LEIHOKU ELEM BLDG B HVA C ACCU-1	ACCU-3723	5/21/18 7:41 AM	Replace bad oil pressure safety switch and related parts. Oil safety switch is stuck open. Part is in stock. Bldg E, Library, ACCU-1.
1896045	LEEWARD DIST- SPECIAL SERVICES (ANNEX)		5/22/18 1:36 PM	Leeward District Ofc A Bldg Annex. Desc: AC not cooling. Contact: . Alison 675-0335. Maximo: 1896045. Unit ID: ACCU-2. Pin pointed a refrigerant leak on the pressure unloader, and also due to rust and the visual wear, I would like to replace the discharge muffler as well. I would like to request a verbal approval to remove and replace the pressure unloader and the discharge muffler. Parts availability: In stock
1898046	CAMPBELL HIGH BLDG J		5/31/18 2:16 PM	replace burnt electronic boards in condenser unit. Boards in stock. Maximo 1898046, ACCU-1, SPED Classroom.
1888542	LEEWARD DIST- SPECIAL SERVICES (ANNEX)		4/17/18 9:01 AM	Troubleshoot and found refrigerant leak on liquid line filter drierfor ACCU-2. Repaired leak.
1886673	CAMPBELL HIGH		8-Apr-18	Requesting verbal approval to replace electronic boards for condenser unit at Portable 31. Boards are in stock.
1898745	WAIANAE HIGH BLDG N- 105 RM MU2		6/5/18 1:44 PM	Bldg N Music , Chorus Rm. - AHU-2 Found TXV valves not working properly, valve is getting stuck and not feeding refrigerant properly. I would like to request to change out both TXV valves. Parts availability: In stock
1898748	WAIANAE HIGH BLDG N HV AC AHU-3	AHU-4173	6/5/18 1:50 PM	Bldg N Msic, Band Rm - AHU-3 Found TXV valves not working properly, valve is getting stuck and not feeding refrigerant properly. I would like to request a verbal approval to change out both TXV valves. Parts not in stock

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1892946	PEARL CITY ELEM BLDG C		5/4/18 5:42 PM	LOCATION: Pearl City Elementary School, Bldg. C OAU on Roof - Unit found vandalized. Parts stolen from unit, wires missing, etc. WORK: - Inspect and replace all missing/damaged parts and wiring. Restart unit and check operations.
1898233	HONOWAI ELEM BLDG J-102 RM 008		6/1/2018 13:07	Received Shobu's proposal #71905-Q - ACCU-2 in Bldg J - Silicone coat backside of all new replacement boards to prevent electrical short circuits. Remove and replace all burned outdoor unit control boards. Seal gaps between boards with foam insulation to prevent gecko entry and future damages. Start up and check operations.
1901039	WAIANAE HIGH BLDG DD H VAC PACU-11	PACU-4205	6/19/18 7:25 AM	PACU-11. Checked operations, and found smoke alarm on at office panel. Found smoke alarm intermittent after cleaning and inspection smoke alarm. I would like to request a verbal approval to replace smoke alarm. Unit is running and alarm is not on at the office panel upon departing school. Parts availability: Not in stock. Time frame: 6-7 business days
1901742	BARBER'S POINT ELEM BLDG A HVAC ACCU-1	ACCU-2304	6/21/18 12:26 PM	Barbers point ES BLDG-A , Library ACCU-1 - Requesting verbal for repair. Upon trouble call checked and found circuits 1&2 low on refrigerant. Need materials to leak check and repair unit. Unit is currently down not running.
1903336	WAIPAHU HIGH BLDG V HV AC PACU-1	PACU-4440	6/28/18 10:57 AM	
1905175	MAKAKILO ELEM BLDG J HV AC PACU-1	PACU-3777	7/10/18 12:30 PM	Requesting verbal approval to replace leaking low and high pressure switches. Parts in stock. Maximo# 1905175, Bldg J, Library.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1894787	POHAKEA ELEM BLDG C HV AC PACU-6	PACU-11901	5/15/18 1:00 PM	<p>Checked and found unit tripped on low pressure.</p> <ul style="list-style-type: none"> - Connected gauges onto unit and noticed lots of pressure still inside of unit. - Reset unit and allowed unit to start. - When unit turns on found electronic fan motor not operating causing unit to trip on low pressure. - Will request for a verbal approval to replace evaporator motor. - Unit is currently off and not cooling. - 5/17/2018: Got verbal approval from Robert Bondoc to order motor. - 5/23/2018: Removed and installed new motor. - Turned unit on and checked operation. - Unit is on and cooling
1905126	PEARL CITY ELEM BLDG F		7/10/18 10:47 AM	<p>DESCRIPTION OF WORK: Silicone coat backside of all new replacement boards to prevent electrical short circuits. Remove and replace all burned outdoor unit control boards. Seal gaps between boards with foam insulation to prevent gecko entry and future damages. Start up and check operations.</p>
1907526	MAKAKILO ELEM BLDG J HV AC PACU-1	PACU-3777	7/23/18 10:18 AM	<p>Description of work: Shutdown system and recover refrigerant charge. Remove and replace capillary tube assembly, and liquid line filter drier. Pressure test system with nitrogen. Evacuate system and recharge with new refrigerant (use recovered refrigerant if applicable). Start up and check operations.</p>
1908311	POHAKEA ELEM		7/25/18 3:18 PM	<p>Recover refrigerant charge.</p> <ul style="list-style-type: none"> - Check system for acid (if burnout) and neutralize if found. - Remove and replace compressor, contactor, filter drier, and related components.
1908851	WAIANAE HIGH BLDG DD H VAC PACU-2	PACU-4196	7/26/18 10:57 AM	<p>Bldg DD, PACU-2, replace bad condenser fan motor, wires, disconnect switch, sheave, and fuses. Parts are all in stock and estimated at \$750. Unit is currently off. Maximo #1908851, Bldg DD/FS, RM 103 Dining Area, PACU-2</p>

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1909566				Bldg P-34, PACU-1. Recover refrigerant charge. - Check system for acid (if burnout) and neutralize if found. - Remove and replace compressor, contactor, filter drier, and related components. - Evacuate system and recharge with new refrigerant (use recovered refrigerant if applicable). - Start up and check operations.
1909806	CAMPBELL HIGH		7/31/18 12:39 PM	Coated Electronic boards and installed. Adjusted dip switches on boards. Use foamstrips to seal around boards.
1913009	KAPOLEI ELEM BLDG G HVA C FCU-5	FCU-2834	8/10/18 3:04 PM	Requesting verbal approval to replace bad thermostat and burnt electronic board. Parts are in stock. Maximo #1913009, room G201, FCU-5.
1912755	KAPOLEI ELEM BLDG D HVA C FCU-6	FCU-2781	8/10/18 9:28 AM	Requesting verbal approval to replace bad thermostat. Maximo #1912855, FCU-6, room D-202.
1910715	KAPOLEI ELEM BLDG E HVA C FCU-4	FCU-2800	8/3/18 9:39 AM	Check operations and found buttons on thermostat not working, turned unit off and back on and buttons still can not move any set points. I would like to request a verbal approval to remove and replace thermostat. Part availability: in stock
1911193	KALEIOPUU ELEM BLDG B H VAC FCU-1	FCU-2708	8/6/18 1:42 PM	Requesting verbal for repair. Upon trouble call checked and found motor starter tripped. Checked and found fan motor drawing higher than rated amps causing starter to trip. Need to replace fan motor. Motor not in stock and shipping is 3-5 days. Unit running 100% at this time but starter keeps tripping.
1912242	CAMPBELL HIGH		8/9/18 8:06 AM	At outdoor unit found a communication problem. Found geckos on the boards. Removed geckos from the boards and tried to restart unit. Unit still did not come on. I would like to request a verbal approval to R/R electrical boards and coat boards with silicone. Parts availability: In stock.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1911686	ILIMA INTER BLDG J HVAC A CU-1	ACU-2605	8/7/18 2:19 PM	Remove panels as needed to access blower wheel section. Remove and replace evaporator fan motor, evaporator fan contactor, blower wheel, shaft, sheave, pulley, bearings and any related parts. Secure new parts in place. Align sheave and pulley. Tension belt. Check amperage and overall operations. Notes: - Parts are currently in stock but subject to availability at time of order. Evaporator fan motor and sheave are currently not in stock. Please allow 4 weeks for free shipping.
1913494	LEIHOKU ELEM BLDG B HVAC ACCU-1	ACCU-3723	8/13/18 9:03 AM	<ul style="list-style-type: none"> - Shut down power to unit. - Remove panels and condenser air defectors. - Remove condenser fan motor, fan blade, and contactor. - Replace with new fan motor, fan blade, and contactor. - Run unit and check overall operations.Y921
1912757	KAPOLEI ELEM BLDG G HVAC C ACCU-5	ACCU-2835	8/10/18 9:30 AM	<ul style="list-style-type: none"> - Recover Refrigerant Charge. - Check System For Acid (if Burnout) And Neutralize if Found. - Remove And Replace Compressor, Contactor, Filter Drier, And Related Components. - Evacuate System And Recharge With New Refrigerant (use Recovered Refrigerant if possible)
1897257	Hookele Elem Bldg D		5/28/18 5:24 PM	WSHP-2 (S#4714V08636) in D103. Remove old motor and blower wheel from unit. Replace new motor, tighten down bracket. RUN unit and check all operations. Unit is cooling 100%.
1895439	Hookele Elem	Not in Maximo	5/18/18 11:19 AM	Remove old and install new VFD (CT-1) fan motor.
1912407	HONOWAI ELEM BLDG EE HVAC ACCU-1	ACCU-2589	8/9/18 11:13 AM	<p>Check operations and found thermostats calling for cooling. All three evaporators not blowing cold air.</p> <p>Check outdoor unit and found power going into board and no power coming out. Also found a gecko underneath board. I would like to request a verbal approval to remove and replace pc board.</p>
1914430	IROQUOIS POINT ELEM BLDG P11 HVAC PACU-1	PACU-2679	8/15/18 4:32 PM	replace bad transformer and contactor. Parts are in stock. Maximo# 1914430, P-11, AC not working, Burning smell.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1913684	IROQUOIS POINT ELEM	ACCU-2 (not in Maximo)	8/13/18 1:52 PM	Iroquoist Pt. ES, Library Media Control Room, ACCU-2. Upon trouble call checked and found faulty capacitor and refrigerant leak on filter dryer flare. Unit is currently off due to low pressure causing evaporator coil it ice up.
1913517	WAIANAE HIGH BLDG J-101A	FCU-1 (not in Maximo)	8/13/18 9:41 AM	FCU-1 Check operations and found sight glass flashing. Check pressures and found unit with a refrigerant leak. Located leak on solenoid valve. I would like to request a verbal approval to remove and replace Solenoid valve and related parts. Parts availability: In stock.
1914609	PEARL CITY ELEM BLDG J H VAC ACCU-J-2	ACCU-4042	8/16/18 10:08 AM	Recover refrigerant charge (isolate compressor if possible). Remove and replace compressor, contactor, filter drier and related components. Check system for acid in refrigerant oil and neutralize if found. Evacuate system and recharge with recovered refrigerant (if applicable). Charge system to full capacity with virgin refrigerant. Start up and check operations.
1917195	CAMPBELL HIGH BLDG K		8/29/18 10:21 AM	replace failed A/C controller here at Campbell HS Bldg K PACU-2.
1916036	PEARL CITY ELEM BLDG J H VAC ACCU-J-3	ACCU-4041	8/27/18 8:13 AM	replace burnt electronic boards due to geckos. Parts are in stock.
1914900	WAIPAHU HIGH BLDG O HV AC ACU-1	ACU-4428	8/20/18 7:04 AM	<ul style="list-style-type: none"> - Recover refrigerant charge (isolate compressor if possible). - Remove and replace compressor (New #COM06430), contactor, filter drier and related components. - Check system for acid in refrigerant oil and neutralize if found. - Evacuate system and recharge with recovered refrigerant (if applicable). - Charge system to full capacity with virgin refrigerant. - Start up and check operations.W933
1916719	KAPOLEI ELEM BLDG D HVA C FCU-1	FCU-2771	8/28/18 9:47 AM	replace bad evaporator fan motor and fan wheel.
1908317	EWA ELEM BLDG B HVAC A CCU-1	ACCU-2374	7/25/18 3:54 PM	<p>Remove and replace compressor, contactor, filter drier, and related components. - Parts are currently in stock but subject to availability at time of order.</p> <p>- Crank Case heater is currently NOT in stock. Please allow additional 3-5 days for delivery.</p>

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1915536	POHAKEA ELEM BLDG C HV AC PACU-2	PACU-11897	8/21/18 10:02 AM	
1918464	KAMAILE ELEM BLDG B HVA C PAC-1	PAC-2717	9/5/18 8:48 AM	Found display on unit blank. Check for power and found transformer sending power to board is bad. Transformer needs to be replaced. Can I request a verbal approval to order part with an additional shipping charge. Parts availability: Not in stock Shipping 3-4 business days
1918992	CAMPBELL HIGH BLDG K HV AC PACU-1	PACU-2345	9/6/18 5:59 PM	replace failed low pressures switches here at Campbell HS Bldg K PACU-1
1906651	WAIPAHU HIGH BLDG O-101		7/18/18 7:44 AM	replace faulty TXV, sight glass and liquid line drier. Parts needs to be ordered and will take approx 3-4 business days. Maximo #1906651, Waipahu HS, Bldg O, Library.
1915325	CAMPBELL HIGH		8/20/18 2:49 PM	replace failed TXV and distributor here at Campbell HS portable 36 PACU-1.
1903744	WAIPAHU HIGH BLDG O HV AC ACU-1	ACU-4428	7/2/18 7:35 AM	Replace solenoid coil, valve for AHU-1
1897859-63	CAMPBELL HIGH		5/30/18 8:52 PM	Remove DDC controllers and install stand alone Tstats for Portable Bldgs P-26, P-27, P-34, P-35, P-36 & P-37. These Protoble Bldgs are originally part of Pohakea ES.
1919665	WAIPAHU INTER BLDG D HV AC ACCU-1	ACCU-4470	9/11/18 9:01 AM	replace 2 failed condenser fan motor here at Waipahu IS Bldg D library ACCU -1. Parts are in stock.
1920561	HOOKELE ELEM Bldg A		9/13/18 11:51 AM	Hookele ES Bldg-A Library Tech Office WSHP-13 Requesting verbal for repair. Upon trouble call checked and found faulty evaporator fan motor causing unit to Trip on low pressure. Need to replace motor. Shipping 3-4 business days. <u>Unit is currently down at this time.</u>
1920195	WAIPAHU HIGH BLDG O HV AC ACU-1	ACU-4428	9/12/18 2:53 PM	replace 2 TXV on tandem circuit for library unit. TXVs on tandem circuit are not feeding properly. Parts are not in stock and needs to be ordered. Shipping 3-4 days. Maximo# 1920195, Bldg O, Library, AHU-1.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1922590	KAPOLEI ELEM BLDG D HVA C ACCU-4	ACCU-2778	9/20/18 12:55 PM	Requesting verbal approval to replace capacitors and contactor. Parts in stock. Maximo # 1922590, ACCU-4, Classroom D-104.
1922790	WAIANAE HIGH BLDG H HV AC ACCU-1	ACCU-4168	9/21/18 10:13 AM	Remove and replace cond fan motor, and capac for ACCU-1 in Admin Bldg H.
1923333	CAMPBELL HIGH Bldg P-31	ACCU-1	9/25/18 9:01 AM	Portable Bldg P31, ACCU-1. Upon trouble call checked and found gecko shorted circuit boards. Need to replace and coat new boards. Parts are in stock. Portable cooling 50% due to two units in room one working one down.
1916513	HOOKELE ELEM Bldg C		8/28/18 7:41 AM	Remove and replace VFD-1 Drive VFD Drive BCR045A-4+B58+5267). Disconnect electrical power to VFD-1. Mount and secure new drive in place. Reconnect electrical power to new VFD-1. Check overall operations. Notes: Parts are currently NOT in stock. Please allow (time 2-3 Days) for delivery. Cost for VFD drive includes shipping cost, per Lisa from Norman Wright. Hawaii Energy Systems labor cost, per Percy from Hawaii Energy Systems not to exceed 4 hours
1924157	WAIANAE HIGH BLDG H HV AC ACCU-1	ACCU-4168	9/27/18 7:42 AM	Bldg H, ACCU-1'- Recover refrigerant charge (isolate compressor if possible). - Remove and replace compressor, contactor, filter drier and related components. - Check system for acid in refrigerant oil and neutralize if found. - Evacuate system and recharge with recovered refrigerant (if applicable). - Charge system to full capacity with virgin refrigerant. - <u>Start up and check operations.</u>
1921747	NANAKULI HIGH & INTER BL DG A HVAC AHU-2	AHU-3980	9/17/18 2:04 PM	- Recover refrigerant charge. - Remove and replace TXV, cap tubes, filter drier and related components. - Evacuate system and recharge with recovered refrigerant (if applicable). - Charge system to full capacity with virgin refrigerant. - <u>Start up and check operations.</u>

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1925432	KAPOLEI ELEM BLDG G HVA C FCU-5	FCU-2834	10/2/18 1:49 PM	Kapolei ES Build-G Classroom-201 FCU-5. Found refrigerant leak on liquid line solenoid valve. Need to replace valve for FCU-5
1914958	BARBERS POINT ELEM BLD G A HVAC ACCU-2	ACCU-2306	8/20/18 8:55 AM	Replace Fan motor, fan blade and capacitor for ACCU-2 in Bldg A.
1917734	HOOKELE ELEM Bldg A		8/31/18 8:36 AM	Remove and replace high pressure switch then reset unit. For WSHP-4 for Health room.
1909262	KAMAILE ELEM BLDG P08		7/27/18 4:50 PM	Got approval from Robert Bondoc to repair unit. - Checked and found error code on indoor unit. - Identified error code. - Inspected condenser electronic board and found centipede interrupted communication. - Removed centipede from electronic board. - Reset unit and checked operation. - Unit is on and cooling. - SA-59, RA-76
1927768	IROQUOIS POINT ELEM BLD G P10 HVAC PACU-1	PACU-2678	10/15/18 8:36 AM	replace failed condenser fan motor capacitor and leaking filter drier here at Iroquois PT ES portable 10 PACU-1. Parts are in stock.
1928612	WAIPAHU HIGH BLDG I HVA C CH-1	CH-4399	10/17/18 7:04 PM	Chiller (CH-1) Remove and replace two each condenser fan motors and two each condenser fan blades.
1928895	KAMAILE ELEM BLDG B HVA C ACC-1	ACC-2718	10/18/18 4:41 PM	Kamaile ES, Library, PACU-1. Remove and replace Power Supply Board
1933507	CAMPBELL HIGH		11/8/18 1:45 PM	replace failed condenser fan motor here at Campbell HS portable 32-33 PACU-1. Price for parts estimated at approximately \$280. And parts are in stock.
1932907	PEARL CITY ELEM BLDG F		11/7/18 8:24 AM	Check operations and found ch02 on display of thermostat upon arrival. Ch02 refers to outdoor unit thermistors.. Found thermistors open. I would like to request a verbal approval to order and R/R thermistors. Part availability: Not in stock. Shipping cost: Free shipping.
1932849	WAIANAE HIGH BLDG DD H VAC PACU-7	PACU-4201	11/6/18 8:01 PM	Replace bad condenser motor, sheave, fuses, conduit and wire. Parts in stock and estimated at \$600. Maximo# 1932849, Bldg DD, PACU-7.

EXHIBIT A - LIST OF COMPLETED REPAIRS (1/1/2018 - 12/31/2018)

Work Order	Location Description	Asset	Reported Date	Work Description
1933261	WAIANAE HIGH BLDG DD H VAC PACU-3	PACU-4197	11/7/18 4:18 PM	replace bad thermostat. Thermostat is not closing its cooling contact. Part estimated at \$140. Maximo# 1933261, Bldg DD/FS, Room 102.
1934628	WAIPAHU HIGH BLDG D HV AC AHU-2	AHU-4395	11/14/18 11:27 AM	Waipahu HS Bldg. D, AHU-2. Remove and replace starter.
1934258	NANAKULI HIGH & INTER BLDG A HVAC AHU-2	AHU-3980	11/13/18 9:11 AM	Nanakuli HIS, Library AHU-2. Description of work. Pump down system (if applicable) or recover refrigerant charge. Remove and replace evaporator coil, filter drier and associated parts. Pressure test system with nitrogen. Evacuate to 500 microns. Recharge system to full capacity with recovered refrigerant (if applicable) and/or virgin refrigerant. Start up and check all equipment operations. Notes: Parts are currently NOT in stock, Please allow 3-5 days for delivery.
1937441	EWA BEACH ELEM BLDG J HVAC PACU-2	PACU-2418	11/29/18 2:07 PM	Ewa Beach ES Bldg J 1-6, PACU-2. Upon trouble call checked and found pressures flat on circuit #3. Need materials for leak repair.
1939336	WAIANAE HIGH BLDG H	VAV-4169	12/10/18 10:13 AM	remove and replace the vav actuator assembly.
1939796	WAIPAHU HIGH BLDG O	ACU-4428	12/12/18 7:04 AM	Replace failed solenoid valve here at Waipahu HS BLDG O AHU-1. Parts are in stock.
1939292	ILIMA INTER BLDG F-101A		12/10/18 9:02 AM	PACU-2 (For Back Area) replace Fan Motor, Fan Belts.
1938952	EWA ELEM BLDG B	AHU-2373	12/6/18 2:45 PM	Ewa ES Bldg. B, AHU-1, Remove and replace compressor, contactor, filter drier, and related components. Remove and replace condenser coils due to corroded condition.
1936576	NANAKULI HIGH & INTER BLDG A	ACCU-3981	11/27/18 10:49 AM	Nanakuli HIS Bldg A, Library, ACCU-1 remove and replace both RH & LH Condenser Coils, filter drier and associated parts.
1901364	AHRENS ELEM BLDG M	PACU-2287	6/20/18 8:02 AM	August Ahrens, Bldg. M, PACU-1. Remove and replace condenser coil, filter drier and associated parts.

EXHIBIT B- DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)
SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
AUGUST AHRENS ES	Bldg. H - Classrooms	Dehumidifier - Horizontal	DH-1	Teamster	RGAS453BAA01	50 pints/day	Classroom H-2	Ceiling Mount	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Dehumidifier - Horizontal	DH-2	Teamster	RGAS453BAA01	50 pints/day	Classroom H-2	Ceiling Mount	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Dehumidifier - Horizontal	DH-3	Teamster	RGAS453BAA01	50 pints/day	Classroom H-6	Ceiling Mount	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Dehumidifier - Horizontal	DH-4	Teamster	RGAS453BAA01	50 pints/day	Classroom H-6	Ceiling Mount	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Dehumidifier - Horizontal	DH-5	Teamster	RGAS453BAA01	50 pints/day	Classroom H-7	Ceiling Mount	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Dehumidifier - Horizontal	DH-6	Teamster	RGAS453BAA01	50 pints/day	Classroom H-7	Ceiling Mount	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A42NHA	3.5 ton	Classroom H-1	Outside Encl	8/18/2014
AUGUST AHRENS ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PCA-A42GA	3.5 ton	Classroom H-1	Ceiling Suspended	8/18/2014
BARBERS POINT ES	Bldg. A - Administration/Library	Air-Cooled Condensing Unit	ACCU-1	Carrier	95101-22COND	3 ton	Admin Main Off	Outside Encl	3/1/1993
BARBERS POINT ES	Bldg. A - Administration/Library	Air-Cooled Condensing Unit	ACCU-2	Carrier	38TKB036500	3 ton	Admin Main Off	Outside Encl	
BARBERS POINT ES	Bldg. A - Administration/Library	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HD036C500	3 ton	Admin Main Off	Outside Encl	
BARBERS POINT ES	Bldg. A - Administration/Library	Fan Coil Unit - Ductless	FCU-1	Carrier	40QAB036321	3 ton	Admin Main Off	Ceiling Hung	3/1/1993
BARBERS POINT ES	Bldg. A - Administration/Library	Fan Coil Unit	FCU-2	Resco	FG3AAA03600AAAA	3 ton	Admin Main Off	Ceiling Hung	
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Fan Coil Unit	FCU-1	Unknown	Unknown	Unknown	Classroom J-7	Classroom Ceiling	7/4/2005
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Fan Coil Unit	FCU-2	Unknown	Unknown	Unknown	Classroom J-7	Classroom Ceiling	7/4/2005
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A24NHA4	Unknown	J-4 SPED Classroom	Outdoor	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A30NHA4	Unknown	J-3 SPED Classroom	Outdoor	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A30NHA4	Unknown	J-3 SPED Classroom	Outdoor	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	MUY-GE09NA2	Unknown	J-29 SPED Classroom	Outdoor	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PCA-A24KA4	Unknown	J-4 SPED Classroom	J-4 SPED Classroom	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PCA-A30KA4	Unknown	J-3 SPED Classroom	J-3 SPED Classroom	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Fan Coil Unit - Ductless Split System	FCU-DS-3	Mitsubishi	PCA-A30KA4	Unknown	J-3 SPED Classroom	J-3 SPED Classroom	10/1/2014
CAMPBELL HS	Bldg. J - Fine & Performance Arts	Fan Coil Unit - Ductless Split System	FCU-DS-4	Mitsubishi	MSY-GE09NA-8	Unknown	J-29 SPED Classroom	J-29 SPED Classroom	10/1/2014
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Arts	Fan Coil Unit	FCU-1	Daikin	FXAQ18MVJU	18,000 Btu/hr	1st Floor Comm. Rm.	1st Floor Comm. Rm.	7/4/2005
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Arts	Fan Coil Unit	FCU-2	Daikin	FXAQ18MVJU	18,000 Btu/hr	2nd Floor Comm. Rm.	2nd Floor Comm. Rm.	7/4/2005
CAMPBELL HS	Bldg. S (Saber Hall) - Fine & Performing Arts	Air-Cooled Condensing Unit	ACCU-1	Daikin	RXYMQ36PVJU	36,000 Btu/hr	1st & 2nd Floor Comm. Rm.	Rooftop	7/4/2005
CAMPBELL HS	Bldg. P-29 - Portable Classroom	Air Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A24NHA6-BS	2 ton	Portable Classroom P-	Outside Enclosure	3/4/2017
CAMPBELL HS	Bldg. P-29 - Portable Classroom	Air Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A24NHA6-BS	2 ton	Portable Classroom P-	Outside Enclosure	3/4/2017
CAMPBELL HS	Bldg. P-29 - Portable Classroom	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A24KA6	2 ton	Portable Classroom P-	Ceiling-Suspended	3/4/2017
CAMPBELL HS	Bldg. P-29 - Portable Classroom	Fan Coil Unit	FCU-2	Mitsubishi	PCA-A24KA6	2 ton	Portable Classroom P-	Ceiling-Suspended	3/4/2017
CAMPBELL HS	Bldg. P-30 - Portable Classroom	Air Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A24NHA6-BS	2 ton	Portable Classroom P-	Outside Enclosure	3/4/2017
CAMPBELL HS	Bldg. P-30 - Portable Classroom	Air Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A24NHA6-BS	2 ton	Portable Classroom P-	Outside Enclosure	3/4/2017
CAMPBELL HS	Bldg. P-30 - Portable Classroom	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A24KA6	2 ton	Portable Classroom P-	Ceiling-Suspended	3/4/2017
CAMPBELL HS	Bldg. P-30 - Portable Classroom	Fan Coil Unit	FCU-2	Mitsubishi	PCA-A24KA6	2 ton	Portable Classroom P-	Ceiling-Suspended	3/4/2017
CAMPBELL HS	Bldg. P-31 - Portable Classroom	Air Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A24NHA6-BS	2 ton	Portable Classroom P-	Outside Enclosure	3/4/2017
CAMPBELL HS	Bldg. P-31 - Portable Classroom	Air Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A24NHA6-BS	2 ton	Portable Classroom P-	Outside Enclosure	3/4/2017
CAMPBELL HS	Bldg. P-31 - Portable Classroom	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A24KA6	2 ton	Portable Classroom P-	Ceiling-Suspended	3/4/2017
CAMPBELL HS	Bldg. P-31 - Portable Classroom	Fan Coil Unit	FCU-2	Mitsubishi	PCA-A24KA6	2 ton	Portable Classroom P-	Ceiling-Suspended	3/4/2017
HIGHLANDS IS	Bldg. K - Classroom	Air Cooled Condensing Unit	ACCU-1	Carrier	38HDC048531	4 ton	Room K2, SPED Classrm	Outside Encl	6/28/2005
HIGHLANDS IS	Bldg. K - Classroom	Fan Coil Unit	FCU-1	Carrier	40QAB048321	1200 cfm	Room K2, SPED Classrm	SPED Classrm	6/28/2005

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)
SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
HONOWAI ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom A-1	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-2	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom A-2	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-3	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom A-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless Split System	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom A-1	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless Split System	FCU-2	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom A-2	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless Split System	FCU-3	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom A-3	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom B-1	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-2	Fujitsu	AOU36CLX1	3.0 ton	Classroom B-2	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-3	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom B-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-4	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom B-4	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless Split System	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom B-1	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless Split System	FCU-2	Fujitsu	ASU36CLX1	36,000 btu/hr	Classroom B-2	Wall-Mounted	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless Split System	FCU-3	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom B-3	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless Split System	FCU-4	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom B-4	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom C-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-2	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom C-4	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless Split System	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom C-3	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless Split System	FCU-2	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom C-4	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-1	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-2	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-2	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-3	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-4	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-4	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-5	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-5	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-6	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-7	Outdoor Enclosure	9/1/2016

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)
SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-7	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom D-8	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-1	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-2	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-2	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-3	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-3	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-4	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-4	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-5	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-5	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-6	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-7	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-7	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom D-8	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. C - Classrooms	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A42KA5	3.5 ton	Classroom C-1	Classroom C-1	11/18/2013
HONOWAI ES	Bldg. C - Classrooms	Fan Coil Unit	FCU-2	Mitsubishi	PCA-A42KA5	3.5 ton	Classroom C-2	Classroom C-2	11/18/2013
HONOWAI ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom C-1	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom C-2	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. D - Classrooms	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A42KA5		Classroom D-6	Classroom D-6	11/18/2013
HONOWAI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom D-6	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom G-1	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom G-2	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-3	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom G-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-4	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom G-4	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. G - Classrooms	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A42KA5	42,000 btu/hr	Classroom G-1	Classroom G-1	11/18/2013
HONOWAI ES	Bldg. G - Classrooms	Fan Coil Unit	FCU-2	Mitsubishi	PCA-A42KA5	42,000 btu/hr	Classroom G-2	Classroom G-2	11/18/2013
HONOWAI ES	Bldg. G - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-3	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom G-3	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. G - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-4	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom G-4	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom H-1	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-2	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom H-2	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-3	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom H-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-4	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom H-4	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-5	Fujitsu	AOU36CLX1	3.0 ton	Classroom H-5	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit - Ductl	ACCU-6	Fujitsu	AOU36CLX1	3.0 ton	Classroom H-6	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom H-1	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-2	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom H-2	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split Syster	FCU-3	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom H-3	Ceiling-Suspended	9/1/2016

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)
SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
HONOWAI ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split System	FCU-4	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom H-4	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split System	FCU-5	Fujitsu	ASU36CLX1	36,000 btu/hr	Classroom H-5	Wall-Mounted	9/1/2016
HONOWAI ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless Split System	FCU-6	Fujitsu	ASU36CLX1	36,000 btu/hr	Classroom H-6	Wall-Mounted	9/1/2016
HONOWAI ES	Bldg. J - Classrooms	Fan Coil Unit	FCU-1	Mitsubishi	PCA-A42KA5	3.5 ton	Classroom J-1	Classroom J-1	11/18/2013
HONOWAI ES	Bldg. J - Classrooms	Fan Coil Unit	FCU-2	Mitsubishi	PCA-A42KA5	3.5 ton	Classroom J-2	Classroom J-2	11/18/2013
HONOWAI ES	Bldg. J - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom J-1	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. J - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A42NHA5	3.5 ton	Classroom J-2	Outdoor Enclosure	11/18/2013
HONOWAI ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom K-1	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-2	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom K-2	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless Split System	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom K-1	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless Split System	FCU-2	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom K-2	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-1	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom L-1	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-2	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom L-2	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-3	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom L-3	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit - Ductless	ACCU-4	Mitsubishi	PUY-A42NHA6-BS	3.5 ton	Classroom L-4	Outdoor Enclosure	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless Split System	FCU-1	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom L-1	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless Split System	FCU-2	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom L-2	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless Split System	FCU-3	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom L-3	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless Split System	FCU-4	Mitsubishi	PCA-A42KA6	42,000 btu/hr	Classroom L-4	Ceiling-Suspended	9/1/2016
HONOWAI ES	Bldg. EE - Library	Condensate Drain Pump	CDP-1	Beckett	CB151UL	35 gph	FCUs&DEHs	FCUs&DEHs	8/1/2007
HONOWAI ES	Bldg. EE - Library	Condensate Drain Pump	CDP-2	Beckett	CB151UL	35 gph	FCUs&DEHs	FCUs&DEHs	8/2/2007
HONOWAI ES	Bldg. EE - Library	Condensate Drain Pump	CDP-3	Beckett	CB151UL	35 gph	FCUs&DEHs	FCUs&DEHs	8/3/2007
HONOWAI ES	Bldg. EE - Library	Condensate Drain Pump	CDP-4	Beckett	CB151UL	35 gph	FCUs&DEHs	FCUs&DEHs	8/4/2007
HONOWAI ES	Bldg. EE - Library	Condensate Drain Pump	CDP-5	Beckett	CB151UL	35 gph	FCUs&DEHs	FCUs&DEHs	8/5/2007
ILIMA IS	Portable Classrooms - P1	Fan Coil Unit	FCU-1	Mitsubishi	MSY-GE24NA	2 ton	Classroom TB1	Classroom Wall	July 2013
ILIMA IS	Portable Classrooms - P1	Fan Coil Unit	FCU-2	Mitsubishi	MSY-GE24NA	2 ton	Classroom TB1	Classroom Wall	July 2013
ILIMA IS	Portable Classrooms - P1	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	MUY-GE24NA	2 ton	Classroom TB1	Bldg Wall Mount	July 2013
ILIMA IS	Portable Classrooms - P1	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	MUY-GE24NA	2 ton	Classroom TB1	Bldg Wall Mount	July 2013
ILIMA IS	Portable Classrooms - P2	Fan Coil Unit	FCU-1	Mitsubishi	MSY-GE24NA	2 ton	Classroom TB2	Classroom Wall	July 2013
ILIMA IS	Portable Classrooms - P2	Fan Coil Unit	FCU-2	Mitsubishi	MSY-GE24NA	2 ton	Classroom TB2	Classroom Wall	July 2013
ILIMA IS	Portable Classrooms - P2	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	MUY-GE24NA	2 ton	Classroom TB2	Bldg Wall Mount	July 2013
ILIMA IS	Portable Classrooms - P2	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	MUY-GE24NA	2 ton	Classroom TB2	Bldg Wall Mount	July 2013
ILIMA IS	Portable Classrooms - P4	Fan Coil Unit	FCU-1	Mitsubishi	MSY-GE24NA	2 ton	Classroom TB4	Classroom Wall	July 2013
ILIMA IS	Portable Classrooms - P4	Fan Coil Unit	FCU-2	Mitsubishi	MSY-GE24NA	2 ton	Classroom TB4	Classroom Wall	July 2013
ILIMA IS	Portable Classrooms - P4	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	MUY-GE24NA	2 ton	Classroom TB4	Bldg Wall Mount	July 2013
ILIMA IS	Portable Classrooms - P4	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	MUY-GE24NA	2 ton	Classroom TB4	Bldg Wall Mount	July 2013
ILIMA IS	Portable TB-7 - Frog Building	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDR060-311	5 ton	Frog Portable TB-7	Outside Encl	Unknown

SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
ILIMA IS	Portable TB-7 - Frog Building	Fan Coil Unit - DX Split System	FCU-DX-1	Carrier	FX4CNB060T00AAAA	5 ton	Frog Portable TB-7	Closet	Unknown
KAMAILE ES	Bldg. P1 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P1 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P1 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P1 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P2 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P2 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P2 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P2 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P3 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P3 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P3 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P3 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P4 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P4 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P4 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P4 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P5 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P5 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P5 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P5 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P6 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P6 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P6 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P6 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P7 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P7 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P7 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P7 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P8 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P8 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P8 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P8 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P9 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P9 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Gibson	Unknown	12000 BTU	Classroom	Outdoor Enclosure	1/13/2017
KAMAILE ES	Bldg. P9 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAMAILE ES	Bldg. P9 - Portable Classroom	Fan Coil Unit	FCU-1	Gibson	Unknown	400 CFM	Classroom	Inside Classroom	1/13/2017
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-1	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 101	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-2	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 102	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-3	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 103	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-4	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 104	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-5	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 105	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-6	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 201	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-7	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 202	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)

SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-8	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 203	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-9	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms 204	Mech Closet	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Carrier	38HD060-310	5 ton	Classrooms	Outside Encl	12/1/1994
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-10	York	FIRP042H06A	1200 cfm	2ne Flr - Tea WkSt112	Mech Clos	3/1/1998
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-10	York	HIDE036506	3 ton	2nd Flr - Tea WkSt112	Outside Encl	3/1/1998
KAPOLEI ES	Bldg. D - Classrooms	Fan Coil Unit - Vertical Mount	FCU-11	York	FIRP042H06A	1200 cfm	1st Flr - Tea WkSt113	Mech Clos	3/1/1998
KAPOLEI ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-11	York	HIDE036506	3 ton	1st Flr - Tea WkSt113	Outside Encl	3/1/1998
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Carrier	38HDC060-310	5 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Air-Cooled Condensing Unit	ACCU-9	Carrier	38HDC024-310	2 ton	Classrooms	Outside Encl	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-1	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-2	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-3	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-4	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-5	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-6	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-7	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-8	Carrier	FK4BNB0D6000AAAA	1800 cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. G - Classrooms	Fan Coil Unit - Vertical Mount	FCU-9	Carrier	FK4BNF002	? cfm	Classrooms	Mech Closet	6/1/1995
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Trane	TTP060C100A4	5 ton	1fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-10	Trane	TTB048D100A0	3.5 ton	Tea WkSt-2	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Trane	TTP060C100A3	5 ton	1fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Trane	TTP060C100A2	5 ton	1fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Trane	TTP060C100A4	5 ton	1fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Trane	TTP060C100A4	5 ton	2fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Trane	TTP060C100A3	5 ton	2fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Trane	TTP060C100A3	5 ton	2fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Trane	TTP060C100A4	5 ton	2fl Classrms	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-9	Trane	TTT048C100A2	3.5 ton	Tea WkSt-1	Outside Encl	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-1	Trane	TWE060C15FC1	1900 cfm	1fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-10	Trane	TWE042P130A0	1050 cfm	Tea WkSt-2	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-2	Trane	TWE060C15FC1	1900 cfm	1fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-3	Trane	TWE060C15FC1	1900 cfm	1fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-4	Trane	TWE060C15FC1	1900 cfm	1fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-5	Trane	TWE060C15FC1	1900 cfm	2fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-6	Trane	TWE060C15FC1	1900 cfm	2fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-7	Trane	TWE060C15FC1	1900 cfm	2fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-8	Trane	TWE060C15FC1	1900 cfm	2fl Classrms	Mech Closet	7/1/1997
KAPOLEI ES	Bldg. H - Classrooms	Fan Coil Unit - Vertical Mount	FCU-9	Trane	TWE042P130A0	1050 cfm	Tea WkSt-1	Mech Closet	7/1/1997
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PU24EK1	2 ton	Classroom A-1	Outdoor Encl	4/17/2003
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PU24EK1	2 ton	Classroom A-1	Outdoor Encl	4/17/2003
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Carrier	38HDC048-301	4 ton	Classroom A-5	Outdoor Encl	4/7/2003
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PU42EK21	3.5 ton	Classroom A21	Outside Slab	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PU42EK21	3.5 ton	Classroom A22	Outside Slab	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Mitsubishi	PU42EK21	3.5 ton	Classroom A23	Outside Slab	11/1/1994

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)

SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-7	Mitsubishi	PU42EK21	3.5 ton	Classroom A24	Outside Slab	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Air-Cooled Condensing Unit	ACCU-8	Mitsubishi	PU42EK21	3.5 ton	Classroom A25	Outside Slab	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-1	Mitsubishi	PC24EK1	1050 cfm	Classroom A-1	Classrm Wall	4/17/2003
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-2	Mitsubishi	PC24EK1	1050 cfm	Classroom A-1	Classrm Wall	4/17/2003
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-3	Carrier	40QAB048320	1100 cfm	Classroom A-5	Classrm Wall	4/7/2003
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-4	Mitsubishi	PC42EK	? cfm	Classroom A21	Classrm Wall	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-5	Mitsubishi	PC42EK	? cfm	Classroom A22	Classrm Wall	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-6	Mitsubishi	PC42EK	? cfm	Classroom A23	Classrm Wall	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-7	Mitsubishi	PC42EK	? cfm	Classroom A24	Classrm Wall	11/1/1994
LEHUA ES	Bldg. A - Classrooms	Fan Coil Unit - Ductless	FCU-8	Mitsubishi	PC42EK	? cfm	Classroom A25	Classrm Wall	11/1/1994
LEHUA ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUYA42NHA5	3.5 ton	Classroom C101	Outside Slab	9/18/2013
LEHUA ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUYA42NHA5	3.5 ton	Classroom C102	Outside Slab	9/18/2013
LEHUA ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-1	Mitsubishi	PCAA42KA5	? cfm	Classroom C101	Classrm Wall	9/18/2013
LEHUA ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-2	Mitsubishi	PCAA42KA5	? cfm	Classroom C102	Classrm Wall	9/18/2013
LEHUA ES	Bldg. D - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PUYA42NHA5	3.5 ton	Classroom D25	Outside Slab	9/18/2013
LEHUA ES	Bldg. D - Classrooms	Fan Coil Unit - Ductless	FCU-5	Mitsubishi	PCAA42KA5	? cfm	Classroom D25	Classrm Wall	9/18/2013
LEHUA ES	Bldg. D - Library	Air-Cooled Condensing Unit - Ductless	ACCU-1	LG	ARUN036GS2	3 ton	Teacher's Wrkrm		10/31/2014
LEHUA ES	Bldg. D - Library	Fan Coil Unit - Ductless Split System	FCU-DS-1	LG	ARNU153TQC2	15,000 btuh	Teacher's Wrkrm	Ceiling Cassette	10/31/2014
LEHUA ES	Bldg. D - Library	Fan Coil Unit - Ductless Split System	FCU-DS-2	LG	ARNU153TQC2	15,000 btuh	Teacher's Wrkrm	Ceiling Cassette	10/31/2014
MAKAHA ES	Entire School	Ductless Splits							
MANANA ES	Entire School	Ductless Splits							
MOMILANI ES	Entire School	Ductless Splits							
PALISADES ES	Entire School	Ductless Splits							
PEARL CITY ES	Bldg. D - Cafeteria	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PU42EK71	3.5 ton	Cafeteria	Outdoor Enclosure	7/28/2004
PEARL CITY ES	Bldg. D - Cafeteria	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PU42EK71	3.5 ton	Cafeteria	Outdoor Enclosure	7/28/2004
PEARL CITY ES	Bldg. D - Cafeteria	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A42NHA6	3.5 ton	Cafeteria	Outdoor Enclosure	1/1/2016
PEARL CITY ES	Bldg. D - Cafeteria	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PUY-A42NHA6	3.5 ton	Cafeteria	Outdoor Enclosure	1/1/2016
PEARL CITY ES	Bldg. D - Cafeteria	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PUY-A42NHA6	3.5 ton	Cafeteria	Outdoor Enclosure	1/1/2016
PEARL CITY ES	Bldg. D - Cafeteria	Air-Cooled Condensing Unit	ACCU-6	Mitsubishi	PUY-A42NHA6	3.5 ton	Cafeteria	Outdoor Enclosure	1/1/2016
PEARL CITY ES	Bldg. D - Cafeteria	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PC42GK	3.5 ton	Cafeteria	Hanged from ceiling	1/1/1999
PEARL CITY ES	Bldg. D - Cafeteria	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PC42GK	3.5 ton	Cafeteria	Hanged from ceiling	1/1/1999
PEARL CITY ES	Bldg. D - Cafeteria	Fan Coil Unit - Ductless Split System	FCU-DS-3	Mitsubishi	PC42GK	3.5 ton	Cafeteria	Hanged from ceiling	1/1/1999
PEARL CITY ES	Bldg. D - Cafeteria	Fan Coil Unit - Ductless Split System	FCU-DS-4	Mitsubishi	PC42GK	3.5 ton	Cafeteria	Hanged from ceiling	1/1/1999
PEARL CITY ES	Bldg. D - Cafeteria	Fan Coil Unit - Ductless Split System	FCU-DS-5	Mitsubishi	PC42GK	3.5 ton	Cafeteria	Hanged from ceiling	1/1/1999
PEARL CITY ES	Bldg. D - Cafeteria	Fan Coil Unit - Ductless Split System	FCU-DS-6	Mitsubishi	PC42GK	3.5 ton	Cafeteria	Hanged from ceiling	1/1/1999
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-1	LG	ARUN038GS2	3.5 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-2	LG	LSU240HSV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-3	LG	LSU240HSV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-4	LG	LSU240HSV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-5	LG	LSU240HSV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-6	LG	LSU240HSV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-7	LG	LUU246HV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-8	LG	LSU240HSV	2 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Air-Cooled Condensing Unit	ACCU-9	LG	LUU246HV	3.5 ton	Library	Outdoor Enclosure	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-1	LG	ARNU283BGAZ	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-2	LG	LSN240HSV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-3	LG	LSN240HSV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-4	LG	LSN240HSV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-5	LG	LSN240HSV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-6	LG	LSN240HSV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-7	LG	LCN246HV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-8	LG	LSN240HSV	2 ton	Library	Library Wall Mounted	6/14/2011

EXHIBIT B - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)

SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-9	LG	LCN246HV	2 ton	Library	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. F - Library	Fan Coil Unit - Ductless Split System	FCU-DS-9A	LG	ARNU1235EL2	1 ton	Library Office	Library Wall Mounted	6/14/2011
PEARL CITY ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PU42EK2-1	3.5 ton	H 19	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A42NHA3	3.5 ton	H 20	Outside Encl	6/1/2010
PEARL CITY ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A42NHA4	3.5 ton	H 21	Outside Encl	8/1/2013
PEARL CITY ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PUY-A42NHA5	3.5 ton	H 22	Outside Encl	8/1/2013
PEARL CITY ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PU42EK2-1	3.5 ton	H 23	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. H - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Mitsubishi	PUY-A42NHA5	3.5 ton	H 24	Outside Encl	8/1/2013
PEARL CITY ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless	FCU-1	Mitsubishi	PC42EK	1270 cfm	H 19	Wall Mount	8/1/1999
PEARL CITY ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless	FCU-2	Mitsubishi	PCA-A42GA	1270 cfm	H 20	Wall Mount	6/1/2010
PEARL CITY ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless	FCU-3	Mitsubishi	PCA-A42KA4	1270 cfm	H 21	Wall Mount	8/1/2013
PEARL CITY ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless	FCU-4	Mitsubishi	PCA-A42KA5	1270 cfm	H 22	Wall Mount	8/1/2013
PEARL CITY ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless	FCU-5	Mitsubishi	PC42EK	1270 cfm	H 23	Wall Mount	8/1/1999
PEARL CITY ES	Bldg. H - Classrooms	Fan Coil Unit - Ductless	FCU-6	Mitsubishi	PCA-A42KA5	1270 cfm	H 24	Wall Mount	8/1/2013
PEARL CITY ES	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PU42EK2-1	3.5 ton	I 13	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PU42EK2-1	3.5 ton	I 14	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A4242NHA4	3.5 ton	I 15	Outside Encl	8/1/2012
PEARL CITY ES	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PU42EK2-1	3.5 ton	I 16	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PU42EK2-1	3.5 ton	I 17	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Mitsubishi	PUY-A42NHA	3.5 ton	I 18	Outside Encl	6/1/2010
PEARL CITY ES	Bldg. I - Classrooms	Fan Coil Unit - Ductless	FCU-1	Mitsubishi	PC42EK	1270 cfm	I 13	Classrm 13	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Fan Coil Unit - Ductless	FCU-2	Mitsubishi	PC42EK	1270 cfm	I 14	Classrm 14	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Fan Coil Unit - Ductless	FCU-3	Mitsubishi	PCA-A42KA4	1270 cfm	I 15	Classrm 15	8/1/2012
PEARL CITY ES	Bldg. I - Classrooms	Fan Coil Unit - Ductless	FCU-4	Mitsubishi	PC42EK	1270 cfm	I 16	Classrm 16	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Fan Coil Unit - Ductless	FCU-5	Mitsubishi	PC42EK	1270 cfm	I 17	Classrm 17	8/1/1999
PEARL CITY ES	Bldg. I - Classrooms	Fan Coil Unit - Ductless	FCU-6	Mitsubishi	PCA-A42KA	1270 cfm	I 18	Classrm 18	6/1/2010
PEARL CITY ES	Bldg. J - Classrooms	Air-Cooled Condensing Unit	ACCU J-34	Mitsubishi	PUY-A42NHA5	3.5 ton	J 34	Outside Encl	8/1/2013
PEARL CITY ES	Bldg. J - Classrooms	Air-Cooled Condensing Unit	ACCU J-35	Mitsubishi	PU42EK2-1	3.5 ton	J 35	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. J - Classrooms	Air-Cooled Condensing Unit	ACCU J-36	Mitsubishi	PUY-A42NHA4	3.5 ton	J 36	Outside Encl	8/1/2013
PEARL CITY ES	Bldg. J - Classrooms	Fan Coil Unit - Ductless	FCU J-34	Mitsubishi	PCA-A42KA5	1270 cfm	J 34	Inside Wall Mount	8/1/2013
PEARL CITY ES	Bldg. J - Classrooms	Fan Coil Unit - Ductless	FCU J-35	Mitsubishi	PC42EK	1270 cfm	J 35	Inside Wall Mount	8/1/1999
PEARL CITY ES	Bldg. J - Classrooms	Fan Coil Unit - Ductless	FCU J-36	Mitsubishi	PCA-A42KA4	1270 cfm	J 36	Inside Wall Mount	8/1/2013
PEARL CITY ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A42NHA4	3.5 ton	K29	Outside Encl	8/15/2012
PEARL CITY ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A42NHA4	3.5 ton	K 30	Outside Encl	8/15/2012
PEARL CITY ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A42NHA5	3.5 ton	K 31	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PUY-A42NHA4	3.5 ton	K 32	Outside Encl	8/1/2013
PEARL CITY ES	Bldg. K - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PUY-A42NHA5	3.5 ton	K 33	Outside Encl	8/1/1999
PEARL CITY ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless	FCU-1	Mitsubishi	PCA-A42KA4	1270 cfm	K 29	Inside Wall Mount	8/15/2012
PEARL CITY ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless	FCU-2	Mitsubishi	PCA-A42KA4	1270 cfm	K 30	Inside Wall Mount	8/15/2012
PEARL CITY ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless	FCU-3	Mitsubishi	PCA-A42KA5	1270 cfm	K 31	Inside Wall Mount	8/1/1999
PEARL CITY ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless	FCU-4	Mitsubishi	PCA-A42KA5	1270 cfm	K 32	Inside Wall Mount	8/1/2013
PEARL CITY ES	Bldg. K - Classrooms	Fan Coil Unit - Ductless	FCU-5	Mitsubishi	PCA-A42KA5	1270 cfm	K 33	Inside Wall Mount	8/1/1999
PEARL CITY ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A36NHA6-BS	3 ton	Classrm - B1	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PU42EK71	3.5 ton	Classrm - B2	Outside Encl	7/28/2004
PEARL CITY ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A36NHA4	3 ton	Classrm - B3	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PUY-A36NHA4	3 ton	Classrm - B4	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PUY-A36NHA4	3 ton	Classrm - B5	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Mitsubishi	PUY-A36NHA4	3 ton	Classrm - B6	Outside Encl	5/5/2017

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)
SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
PEARL CITY ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless	FCU-DS-1	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - B1	Wall Mounted	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless	FCU-DS-2	Mitsubishi	PC42G(E)K	1270 cfm	Classrm - B2	Wall Mounted	7/28/2004
PEARL CITY ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless	FCU-DS-3	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - B3	Wall Mounted	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless	FCU-DS-4	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - B4	Wall Mounted	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless	FCU-DS-5	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - B5	Wall Mounted	5/5/2017
PEARL CITY ES	Bldg. B - Classrooms	Fan Coil Unit - Ductless	FCU-DS-6	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - B6	Wall Mounted	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUY-A36NHA6-B5	3 ton	Classrm - C7	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PUY-A36NHA6-B5	3 ton	Classrm - C8	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PUY-A36NHA6-B5	3 ton	Classrm - C9	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PUY-A36NHA6-B5	3 ton	Classrm - C10	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-5	Mitsubishi	PUY-A36NHA6-B5	3 ton	Classrm - C11	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Air-Cooled Condensing Unit	ACCU-6	Mitsubishi	PUY-A36NHA6-B5	3 ton	Classrm - C12	Outside Encl	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-DS-1	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - C7	Classrm	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-DS-2	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - C8	Classrm	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-DS-3	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - C9	Classrm	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-DS-4	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - C10	Classrm	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-DS-5	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - C11	Classrm	5/5/2017
PEARL CITY ES	Bldg. C - Classrooms	Fan Coil Unit - Ductless	FCU-DS-6	Mitsubishi	PCA-A36KA4	1270 cfm	Classrm - C12	Classrm	5/5/2017
PEARL CITY ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PU42EK7	3.5 ton	Classrm - L25	Outside Encl	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Mitsubishi	PU42EK71	3.5 ton	Classrm - L26	Outside Encl	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit	ACCU-3	Mitsubishi	PU42EK71	3.5 ton	Classrm - L27	Outside Encl	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Air-Cooled Condensing Unit	ACCU-4	Mitsubishi	PU42EK71	3.5 ton	Classrm - L28	Outside Encl	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless	FCU-L25	Mitsubishi	PC42GK	1270 cfm	Classrm - L25	Classrm - L1	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless	FCU-L26	Mitsubishi	PC42GK	1270 cfm	Classrm - L26	Classrm - L2	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless	FCU-L27	Mitsubishi	PC42GK	1270 cfm	Classrm - L27	Classrm - L3	7/28/2004
PEARL CITY ES	Bldg. L - Classrooms	Fan Coil Unit - Ductless	FCU-L28	Mitsubishi	PC42GK	1270 cfm	Classrm - L28	Classrm - L4	7/28/2004
PEARL CITY HIGHLANDS	Entire School	Ductless Splits							
POHAKEA ES	Therapy Trailer (OTPT)	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	MUY-GE24NA	2 ton	Therapy Trailer	Exterior	Unknown
POHAKEA ES	Therapy Trailer (OTPT)	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	MSY-GE24NA	2 ton	Therapy Trailer	Wall-Mounted	Unknown
WAIANAE HS	Bldg. B - Classrooms	Fan Coil Unit	FCU-1	Daikin	FXFQ18MVJU	1.5 ton	Health Rm	Health Rm	8/26/2011
WAIANAE HS	Bldg. B - Classrooms	Fan Coil Unit	FCU-2	Daikin	FXFQ18MVJU	1.5 ton	Language Rm	Language Rm	8/26/2011
WAIANAE HS	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-1	Daikin	RXYMQ48PVSU	4 ton	Health / Language Rm	Outside Encl	8/26/2011
WAIANAE HS	Bldg. B - Classrooms	Air-Cooled Condensing Unit	ACCU-2	Daikin		1.5 ton	Language Rm	Outside Encl	8/26/2011

EXHIBIT C - DUCTLESS SPLITS AND DEHUMIDIFIERS (REPAIRS ONLY)
SAMPLE EQUIPMENT LIST

Leeward District - Group III HVAC Schools	Building/Location	Equipment Description	EqNo	Manufacturer	Model No	Eq Cap	Area Served	Location	Installed
WAIANAE HS	Bldg. C- Classrooms	Air-Cooled Condensing Unit	ACCU-1	Friedrich	MR36C3F	3 ton	Classroom 201	Exterior	
WAIANAE HS	Bldg. C- Classrooms	Air-Cooled Condensing Unit	ACCU-2	Friedrich	MR36C3F	3 ton	Classroom 202	Exterior	
WAIANAE HS	Bldg. C- Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-1	Friedrich	MW36C3F	3 ton	Classroom 201	Wall Mounted	
WAIANAE HS	Bldg. C- Classrooms	Fan Coil Unit - Ductless Split System	FCU-DS-2	Friedrich	MW36C3F	3 ton	Classroom 202	Wall Mounted	
WAIANAE HS	Bldg. J - Shop 2	Air-Cooled Condensing Unit	ACCU-1	Carrier	38CK5060300	5 ton	Shop-2	Outside Encl	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Air-Cooled Condensing Unit	ACCU-2	Carrier	38CK5036300	3 ton	Shop-2	Outside Encl	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Air-Cooled Condensing Unit	ACCU-3	Carrier	38CK5036300	3 ton	Shop-2	Outside Encl	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Air-Cooled Condensing Unit	ACCU-4	Carrier	38CK5036300	3 ton	Shop-2	Outside Encl	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Fan Coil Unit - DX Split System	FCU-DX-1	Carrier	FB4ANF060	5 ton	Shop-2	Ceiling Space	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Fan Coil Unit - DX Split System	FCU-DX-2	Carrier	FC4BNF036	3 ton	Shop-2	Ceiling Space	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Fan Coil Unit - DX Split System	FCU-DX-3	Carrier	FC4BNF036	3 ton	Shop-2	Ceiling Space	9/2/2016
WAIANAE HS	Bldg. J - Shop 2	Fan Coil Unit - DX Split System	FCU-DX-4	Carrier	FC4BNF036	3 ton	Shop-2	Ceiling Space	9/2/2016
WAIPAHU HS	Bldg. P14 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P36NHMU-BS	3 ton	Portable P14	Outdoor Enclosure	
WAIPAHU HS	Bldg. P14 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable P14	Ceiling Recessed	
WAIPAHU HS	Bldg. P14 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable P14	Ceiling Recessed	
WAIPAHU HS	Bldg. P14 - Portable Classroom	Fresh Air Fan	FA-1	Mitsubishi	LGH-F470RX3-E	Unknown	Portable P14	Ceiling Recessed	
WAIPAHU HS	Bldg. P15 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P36NHMU-BS	3 ton	Portable P15	Outdoor Enclosure	
WAIPAHU HS	Bldg. P15 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable P15	Ceiling Recessed	
WAIPAHU HS	Bldg. P15 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable P15	Ceiling Recessed	
WAIPAHU HS	Bldg. P15 - Portable Classroom	Fresh Air Fan	FA-1	Mitsubishi	LGH-F470RX3-E	Unknown	Portable P15	Ceiling Recessed	
WAIPAHU HS	Bldg. P16 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P48NHMU-BS	3 ton	Portable P16	Outdoor Enclosure	
WAIPAHU HS	Bldg. P16 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PLFY-P24NBMU-E	1.5 ton	Portable P16	Ceiling Recessed	
WAIPAHU HS	Bldg. P16 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PLFY-P24NBMU-E	1.5 ton	Portable P16	Ceiling Recessed	
WAIPAHU HS	Bldg. P16 - Portable Classroom	Fresh Air Fan	FA-1	Mitsubishi	LGH-F470RX3-E		Portable P16	Ceiling Recessed	
WAIPAHU HS	Bldg. P17 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P48NHMU-BS	3 ton	Portable P17	Outdoor Enclosure	
WAIPAHU HS	Bldg. P17 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PLFY-P24NBMU-E	1.5 ton	Portable P17	Ceiling Recessed	
WAIPAHU HS	Bldg. P17 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PLFY-P24NBMU-E	1.5 ton	Portable P17	Ceiling Recessed	
WAIPAHU HS	Bldg. P17 - Portable Classroom	Fresh Air Fan	FA-1	Mitsubishi	LGH-F470RX3-E	Unknown	Portable P17	Ceiling Recessed	
WAIPAHU HS	Bldg. TB-1 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P36NHMU-BS	3 ton	Portable TB-1	Outdoor Enclosure	
WAIPAHU HS	Bldg. TB-1 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable TB-1	Ceiling Recessed	
WAIPAHU HS	Bldg. TB-1 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable TB-1	Ceiling Recessed	
WAIPAHU HS	Bldg. TB-1 - Portable Classroom	Fresh Air Fan	FA-1	Mitsubishi	LGH-F470RX3-E	Unknown	Portable TB-1	Ceiling Recessed	
WAIPAHU HS	Bldg. TB-2 - Portable Classroom	Air-Cooled Condensing Unit	ACCU-1	Mitsubishi	PUMY-P36NHMU-BS	3 ton	Portable TB-2	Outdoor Enclosure	
WAIPAHU HS	Bldg. TB-2 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-1	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable TB-2	Ceiling Recessed	
WAIPAHU HS	Bldg. TB-2 - Portable Classroom	Fan Coil Unit - Ductless Split System	FCU-DS-2	Mitsubishi	PLFY-P18NBMU-E	1.5 ton	Portable TB-2	Ceiling Recessed	
WAIPAHU HS	Bldg. TB-2 - Portable Classroom	Fresh Air Fan	FA-1	Mitsubishi	LGH-F470RX3-E	Unknown	Portable TB-2	Ceiling Recessed	

To Provide Maintenance and Repairs for Air Conditioning and Ventilating Equipment at the Various
Hawaii Department of Education (HIDOE) Schools on the Island of Oahu Leeward District
RFP D19-007

Appendix I

RECURRING MAINTENANCE SERVICE CHECKLIST FORMS
(Monthly, Quarterly, Semi-Annual and Annual)

ATTACHED

Recurring Maintenance Checklist (Monthly)
(Submit Service Invoice with This Checklist)

SCHOOL DISTRICT/GROUP NO.:		
SCHOOL/LOCATION:		
DATE(S) OF SERVICE:		
School Representative Name (Print):	Signature	Date
Labor/Technician Name:		
1.	6.	
2.	7.	
3.	8.	
4.	9.	
5.	10.	

MONTHLY SERVICE:

1. AIR HANDLING UNITS (AHU) AND FAN COIL UNITS (FCU)	<u>Task Completed</u>	<u>Remarks</u>
a. Clear and clean all drip pans and flush all related condensate drain lines with compressed air, water, nitrogen or other applicable means. (Contractor may be liable for water damages due to clogged drains). Install pan tablets if necessary to control algae. Tablets shall not block drain hole at any time they are used in drip pans. Contractor shall be responsible for drain lines up to where it enters the wastewater system.	<input type="checkbox"/>	
b. Change all disposable air filters, including automatic filters <u>as required, but at least once every two (2) months or sooner if needed</u> ; use 2" pleated, 30% efficiency type - FARR 30/30 or equal. The washable filters shall be washed at least once a month or sooner if needed. Filters shall be hand marked with the date of installation using a permanent ink marker by the technician servicing the equipment. Markings shall be easily readable with a 1" minimum height font size. New filters shall be positioned so that the markings are visible without having to remove the filters.	<input type="checkbox"/>	
c. Wash permanent type filters with an approved detergent and spray coat with a HVAC industry approved filter treatment solution. Replace deteriorated permanent type filters, which cannot be cleaned.	<input type="checkbox"/>	
d. Lubricate and oil all fan and motor bearings, and connections of dampers and vanes. Check controls to ensure proper operation.	<input type="checkbox"/>	
e. Check all drives for wear; adjust belt tension. Replace belt as required.	<input type="checkbox"/>	

f. Check ultra violet (UVC) lamps and carbon dioxide (CO2) monitor systems; repair/replace items as required to keep systems operating properly.	<input type="checkbox"/>	
1. Replace UVC lamps that have been in-place more than one (1) year. (See Annual Service requirements in this section).	<input type="checkbox"/>	
2. Recalibrate the CO2 monitor system quarterly during early morning hours. Calibration of the interior CO2 sensor shall consist of comparison with readings from an outside CO2 sensor that has been calibrated and is used as the control sensor; only a relative comparison is required. Calibrate the interior sensor if the reading differs by more than 75 ppm. Replace CO2 sensor if it is inoperative.	<input type="checkbox"/>	
g. Check back-draft and motor-controlled dampers and operators for proper operation; lubricate linkage for free movement.		
h. Operate equipment to check for proper operation, unusual noise, and vibration. Adjust, repair, and correct all discrepancies before certifying service reports.	<input type="checkbox"/>	
	<input type="checkbox"/>	

2. <u>PUMPS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Lubricate; check pump and motor bearings including pump couplings for abnormal temperature and unusual noise or vibration and replace as needed. Check pump and motor shafts for proper alignment, re-align as necessary and provide new couplings.	<input type="checkbox"/>	
b. Check packing glands and seals for excessive leakage. Adjust, tighten, and replace as required.	<input type="checkbox"/>	
c. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	

3. <u>TEMPERATURE CONTROLS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Check all DDC, electric or pneumatic control thermostats, controllers, smoke detectors, control dampers, control valves and actuators for proper operation; lubricate, adjust, recalibrate or replace as required. Adjust room thermostats to maintain seventy-five (75) degrees Fahrenheit plus or minus three (3) degrees Fahrenheit in the interior space unless otherwise directed by the CA.	<input type="checkbox"/>	
b. Check control dampers, at a minimum, for tight closing, bent blades, defective linkage. Rusted linkages and blades shall be replaced with new parts.	<input type="checkbox"/>	
c. Verify cooling equipment stages on and off optimally.	<input type="checkbox"/>	
d. Verify compressors are loading and unloading.	<input type="checkbox"/>	
e. Verify all adjustable speed drives are functioning and functioning in accordance with control strategy.	<input type="checkbox"/>	

f. Verify soft starters are working properly.	<input type="checkbox"/>	
g. Verify air conditioning equipment has staggered start times to reduce peak electricity demand.	<input type="checkbox"/>	
h. Verify unoccupied spaces have cooling equipment turned off or set points are at setback temperatures.	<input type="checkbox"/>	
i. Verify schedules that are overridden are returned to their normal operating mode.	<input type="checkbox"/>	
j. Operate equipment to check for proper operation.	<input type="checkbox"/>	

4. <u>PACKAGED WATER CHILLER, RECIPROCATING COMPRESSOR, AIR-COOLED CONDENSER/CONDENSING UNIT</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Check and record entering and leaving chilled water temperatures and pressures of chilled water and water-cooled condenser in the "maintenance log book".	<input type="checkbox"/>	
b. Check and record refrigerant compressor suction and discharge and oil pressures in the "maintenance log book".	<input type="checkbox"/>	
c. Visually check for water, refrigerant and oil leakage; correct as required. Check vibration isolator mounts.	<input type="checkbox"/>	
d. Check compressor, fan, and motor bearings for abnormal temperature and unusual noise; lubricate, and/or replace as required.	<input type="checkbox"/>	
e. Check refrigerant sight glass; change filter/drier if moisture is indicated (Direct Expansion (DX) system). Check compressor oil level and add oil as required.	<input type="checkbox"/>	
f. Check air-cooled condenser fans, sheaves, and belts. Adjust tension or replace belts as required.	<input type="checkbox"/>	
g. Adjust alignment of bearings and sheaves for fans, motors, and compressors, and replace worn or noisy bearing or sheaves.	<input type="checkbox"/>	
h. Note and run system operation through complete operating cycle and adjust for proper operation.	<input type="checkbox"/>	
i. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	
j. Adjust chilled water temperature settings for seasonal change (Winter: October 15th – April 30th; Summer: May 1st – October 14th). Annotate date changed and temperature settings in the "maintenance log book".	<input type="checkbox"/>	
k. Certify performance of monthly maintenance service and correct and report all discrepancies.	<input type="checkbox"/>	

5. <u>PACKAGED OR SLPIT DX AIR CONDITIONG UNITS</u>	<u>Task Completed</u>	<u>Remarks</u>
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<p>a. Clear and clean all drip pans and flush all related condensate drain lines (including insulation) with compressed air, water, nitrogen or other applicable means. (Contractor may be liable for water damages due to clogged drains). Install pan tablets if necessary to control algae. Tablets shall not block drain hole at any time they are used in drip pans. Contractor shall be responsible for drain lines up to where it enters the waste system.</p>	<input type="checkbox"/>	
<p>b. Change all disposable air filters, including automatic filters as required, but at least once every two (2) months or sooner if needed; use 2" pleated, 30% efficiency type - FARR 30/30 or equal. The washable filters shall be washed at least once a month or sooner if needed. Filters shall be hand marked with the date of installation using a permanent ink marker by the technician servicing the equipment. Markings shall be easily readable with a 1" minimum height font size. New filters shall be positioned so that the markings are visible without having to remove the filters.</p>	<input type="checkbox"/>	
<p>c. Wash permanent type filters with an approved detergent and spray coat with a HVAC industry approved filter treatment solution. Replace deteriorated permanent type filters, which cannot be cleaned.</p>	<input type="checkbox"/>	
<p>d. Lubricate and oil all fan and motor bearings, and connections of dampers and vanes. Check controls to ensure proper operation.</p>	<input type="checkbox"/>	
<p>e. Check all drives for wear; adjust belt tension. Replace belt(s) as required.</p>	<input type="checkbox"/>	
<p>f. Check ultra violet (UVC) lamps and carbon dioxide (CO2) monitor systems; repair/replace items as required to keep systems operating properly.</p>	<input type="checkbox"/>	
<p>1. Replace UVC lamps that are not functioning. (See Annual Service requirements in this section).</p>	<input type="checkbox"/>	
<p>2. Calibrate the interior sensor if the outside CO2 sensor reading differs by more than 75 ppm. Replace CO2 sensor if it is inoperative.</p>	<input type="checkbox"/>	
<p>g. Check back-draft and motor-controlled dampers and operators for proper operation; lubricate linkage for free movement.</p>	<input type="checkbox"/>	
<p>h. Check and record refrigerant compressor suction and discharge and oil pressures in the "maintenance log book".</p>	<input type="checkbox"/>	
<p>i. Visually check for water, refrigerant and oil leakage; correct as required. Check vibration isolator mounts.</p>	<input type="checkbox"/>	
<p>j. Check compressor, fan, and motor bearings for abnormal temperature and unusual noise; lubricate, and/or replace as required.</p>	<input type="checkbox"/>	
<p>k. Check refrigerant sight glass; change filter/drier if moisture is indicated (Direct Expansion (DX) system). Check compressor oil level and add oil as required.</p>	<input type="checkbox"/>	
<p>l. Check air-cooled condenser fans, sheaves, and belts. Adjust tension or replace belts as required.</p>	<input type="checkbox"/>	
	<input type="checkbox"/>	

m. Operate equipment to check for proper operation, unusual noise and vibration. Adjust, repair and correct all discrepancies before certifying service reports.	<input type="checkbox"/>	
n. Certify performance of monthly maintenance service and correct and report all discrepancies.		

6. <u>STANDBY AND LEAD-LAG EQUIPMENT (Pumps, Chillers, etc.), CONTROL PANELS SWITCHES AND TIME CLOCKS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. The Contractor shall verify the operational changeover of all standby and lead-lag equipment.	<input type="checkbox"/>	
b. Check lead-in wires to see that all connections are tightly secured. Clean contacts, replace if necessary.	<input type="checkbox"/>	
c. Check and adjust time settings as directed or required. Change battery for back-up if applicable, as necessary.	<input type="checkbox"/>	
d. Should time clock fail - replace with electronic type with capacitance back up (Batteries NOT ALLOWED).	<input type="checkbox"/>	
e. Should bypass timer switch fail - replace with adjustable 4-hour programmable electronic selector switch or push button; add/revise wiring as necessary.	<input type="checkbox"/>	
f. Should insects/vermin enter device housings, correct by providing door gaskets, screens over air vents, and seal over conduit openings entering the housing.	<input type="checkbox"/>	
g. Operate equipment to check for proper operation.	<input type="checkbox"/>	

7. <u>CLEANING OF MECHANICAL EQUIPMENT ROOMS OR ENCLOSURES</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Vacuum or wipe clean all equipment surfaces and all related appurtenance.	<input type="checkbox"/>	
b. Vacuum clean or sweep complete floor and platform areas. DO NOT wet floor and platform area where there is no waterproofing.	<input type="checkbox"/>	
c. Keep all exterior louvers and screen free of built up dust and dirt.	<input type="checkbox"/>	
d. Mop complete floor area with tap water where allowed. CAUTION: DO NOT splash water onto the electrical and mechanical equipment.	<input type="checkbox"/>	
e. Remove all used, deteriorated, replaced, discarded parts and related debris.	<input type="checkbox"/>	
f. Remove tall grass, brush or other vegetation within outdoor enclosures, which affects operation or maintenance of equipment.	<input type="checkbox"/>	
	<input type="checkbox"/>	

g. Notify the CA of any dangerous conditions, improper storage of furniture, materials and supplies which impacts your work within rooms and enclosures, including vandalism.		
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8. <u>WATER SOURCE HEAT PUMP</u>	<u>Task Completed</u>	<u>Remarks</u>
<p>a. Inspect the return air filters. Change all disposable air filters, including automatic filters <u>as required</u>, but at least once every two (2) months or sooner if needed; use 2" or correct size that corresponds to the equipment, pleated, 30% efficiency type – FARR 30/30, MERV 8 or approved equal by the CA. The washable filters shall be washed at least once a month or sooner if needed. Filters shall be hand marked with the date of installation using a permanent ink marker by the technician servicing the equipment. Markings shall be easily readable with a 1" minimum height font size. New filters shall be positioned so that the markings are visible without having to remove the filters.</p>	<input type="checkbox"/>	
<p>b. Check condensate overflow switch to make sure switch float (black ring) has free up and down movement.</p>	<input type="checkbox"/>	

Recurring Maintenance Checklist (Quarterly) (Submit Service Invoice with This Checklist)

SCHOOL DISTRICT/GROUP NO.:		
SCHOOL/LOCATION:		
DATE(S) OF SERVICE:		
School Representative Name (Print):	Signature	Date
_____	_____	_____
Labor/Technician Name:		
1.	6.	
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4.	9.	
5.	10.	

QUARTERLY SERVICE:

1. <u>PACKAGED WATER CHILLER, RECIPROCATING COMPRESSOR, AIR-COOLED CONDENSER/CONDENSING UNIT</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Check chiller response at various cooling load conditions for proper operation and calibration of capacity control system and record settings in recurring maintenance.	<input type="checkbox"/>	
b. Check operation of freezestat and oil failure switch; record settings in the "maintenance log book".	<input type="checkbox"/>	
c. Clean condenser coils of all dirt/salt accumulation with water, steam or surfactant chemical coil cleaning solution (alkali or acidic cleaners not allowed) (air-cooled).	<input type="checkbox"/>	
d. Test and/or adjust "make-up" water pressure and expansion tank.	<input type="checkbox"/>	
e. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	
f. Certify performance of quarterly maintenance service, correct and report all discrepancies.	<input type="checkbox"/>	

2. <u>PACKAGED OR SLPIT DX AIR CONDITIONG UNITS</u>	<u>Task Completed</u>	<u>Remarks</u>
	<input type="checkbox"/>	

a. Check unit response at various cooling load conditions for proper operation and calibration of capacity control system and record settings in recurring maintenance.	<input type="checkbox"/>	
b. Recalibrate the CO2 monitor system quarterly during early morning hours. Calibration of the interior CO2 sensor shall consist of comparison with readings from an outside CO2 sensor that has been calibrated and is used as the control sensor; only a relative comparison is required.	<input type="checkbox"/>	
c. Clean condenser coils of all dirt/salt accumulation with water, steam or surfactant chemical coil cleaning solution (alkali or acidic cleaners not allowed) (air-cooled).	<input type="checkbox"/>	
d. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	
e. Certify performance of quarterly maintenance service and correct and report all discrepancies.		

3. <u>DUCT-LESS SPLIT DX AIR CONDITIONERS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Clean, wipe exterior down with shop towels and wash evaporator and condenser coils of all dirt/salt accumulation with water, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed); wash unit to remove dirt, oil and debris from fan assembly and chassis.	<input type="checkbox"/>	
b. Clean condensate pan and flush drain line.	<input type="checkbox"/>	
c. Lubricate fan motor bearings.	<input type="checkbox"/>	
d. Check system refrigerant charge.	<input type="checkbox"/>	
e. Clean, wash or furnish and install new filter as required.	<input type="checkbox"/>	
f. Run and check unit operation and controls through complete cycle, record temperature and setting when compressor cuts in.	<input type="checkbox"/>	
g. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	

4. <u>VALVES AND CONDENSER WATER LINES, EQUIPMENT AND SUPPORTS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. The Contractor shall check and inspect all equipment shut-off valves by turning the valves on and off every three (3) months (quarterly) for proper operation and tightness.	<input type="checkbox"/>	
b. Wirebrush and remove rust from pipe, equipment and support surfaces, then prime and paint to prevent further rusting. Perform work immediately upon discovery of rust and or corrosion or upon notification by the CA.	<input type="checkbox"/>	

5. <u>VENTILATION FANS (PART OF AIR CONDITIONING SYSTEM)</u>	<u>Task Completed</u>	<u>Remarks</u>
<ul style="list-style-type: none"> a. Check back-draft and motor-controlled dampers and operators for proper operation; lubricate linkage for free movement. b. Lubricate fan motors and bearings. c. Check belt wear and tension; adjust or replace as needed. d. Check sheaves for wear, replace as needed. e. Check fan collar, bearings and shaft for wear, replace as needed. f. Replace air filters where installed. g. Operate equipment to check for proper operation, unusual noise and vibration. 	<div style="text-align: center;"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div>	

Recurring Maintenance Checklist (Semi-Annual)

(Submit Service Invoice with This Checklist)

SCHOOL DISTRICT/GROUP NO.:		
SCHOOL/LOCATION:		
DATE(S) OF SERVICE:		
School Representative Name (Print):	Signature	Date
_____	_____	_____
Labor/Technician Name:		
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2.	7.	
3.	8.	
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5.	10.	

SEMI-ANNUAL SERVICE:

1. AIR HANDLING UNITS (AHU) AND FAN COIL UNITS (FCU)	<u>Task Completed</u>	<u>Remarks</u>
<p>a. Adjust alignment of bearings, sheaves, lubricate fan and motor bearings. Replace worn or noisy bearings or sheaves. (Except Ductless Split Units).</p> <p>b. Wash cooling coils and clean all dirt accumulation, using any kind of cleaning method, including water washer, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed) as necessary. UVC lights shall be fully protected during washing operations. Damaged lights shall be replaced.</p> <p>c. All supply and return air grilles, registers and diffusers and exterior surfaces of all related air conditioning equipment shall be vacuumed and wiped clean. Clean fresh air intake grille and damper, and replace deteriorated bird/insect screens. (Except Ductless Split Units)</p> <p>d. Operate equipment to check for proper operation, unusual noise. Adjust, repair, and correct all discrepancies before certifying service reports.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	
2. <u>PUMPS</u>	<u>Task Completed</u>	<u>Remarks</u>
<p>a. Check and operate blow down strainer valve to chilled and condenser water pumps. Remove and clean strainer if excessive debris is noted.</p> <p>b. Check condition of insulation; re-insulate properly and immediately, upon discovery or notification.</p> <p>c. Log suction and discharge pressures and motor amperes for all pumps in recurring maintenance database.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	

d. Clean and remove all dust and foreign matter. Clean all rust spots and scratches and touch up paint with matching color, immediately upon discovery or notification.	<input type="checkbox"/>	
e. Check motor coupling for alignment and that mounting bolts are secure. Cracked and deteriorated rubber coupling inserts shall be removed and new coupling inserts shall be provided once shaft alignment is checked and corrected.	<input type="checkbox"/>	
f. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	

3. <u>PACKAGED WATER CHILLER, RECIPROCATING COMPRESSOR, AIR-COOLED CONDENSER/CONDENSING UNIT</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Remove heads of condenser end bell and internally brush tubes (Chillers with cooling towers) if approach temperature is above manufacturer's specification (>85°F condenser water entering).	<input type="checkbox"/>	
b. Certify performance of semi-annual maintenance service, correct and report all discrepancies.	<input type="checkbox"/>	

4. <u>PACKAGED OR SPLIT DX AIR CONDITIONING UNITS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Adjust alignment of bearings, sheaves, lubricate fan and motor bearings. Replace worn or noisy bearings or sheaves.	<input type="checkbox"/>	
b. Wash cooling coils and clean all dirt accumulation, using any kind of cleaning method, including water washer, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed) as necessary. UVC lights shall be fully protected during washing operations. Damaged lights shall be replaced.	<input type="checkbox"/>	
c. All supply and return air grilles, registers and diffusers and exterior surfaces of all related air conditioning equipment shall be vacuumed and wiped clean. Clean fresh air intake grille and damper, and replace deteriorated bird/insect screens.	<input type="checkbox"/>	
d. Operate equipment to check for proper operation, unusual noise. Adjust, repair, and correct all discrepancies before certifying service reports.	<input type="checkbox"/>	
e. Certify performance of semi-annual maintenance service and correct and report all discrepancies.	<input type="checkbox"/>	

5. <u>STANDBY AND LEAD-LAG EQUIPMENT (Pumps, Chillers, etc.), CONTROL PANELS SWITCHES AND TIME CLOCKS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Thoroughly clean out all dust and dirt from inside of housing by wiping down exterior with shop towels.	<input type="checkbox"/>	
b. Check and tighten loose fasteners and adjust spring tensions as required.	<input type="checkbox"/>	
c. Check and operate all release mechanisms to see that they are in proper working order.	<input type="checkbox"/>	
d. Clean out all dust and dirt from inside of all control/electrical panels by using dry compressed air or nitrogen to blow out dust and foreign matters.	<input type="checkbox"/>	
e. Operate equipment to check for proper operation.	<input type="checkbox"/>	

6. <u>VENTILATION FANS (PART OF AIR CONDITIONING SYSTEM)</u>	<u>Task Completed</u>	<u>Remarks</u>
<ul style="list-style-type: none"> a. Check, wipe down with shop towels and clean fan wheels and housings of dust, dirt and grease. b. Remove and wash all intake/exhaust or supply grilles, registers, louvers and dampers; replace deteriorated bird/insect screens. c. Operate equipment to check for proper operation, unusual noise and vibration. 	<div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div>	

7. <u>WATER SOURCE HEAT PUMP</u>	<u>Task Completed</u>	<u>Remarks</u>
<ul style="list-style-type: none"> a. Log suction and discharge pr Check the unit's drain pans and condensate piping to ensure that there are no blockages. b. Inspect the F/A-R/A damper hinges and pins to ensure that all moving parts are securely mounted. Keep the blades clean as necessary. c. Verify that all damper linkages move freely; lubricate with white grease if necessary. d. Check supply fan motor bearings; repair or replace the motor as necessary. Check the fan shaft bearings; replace the bearings if necessary. e. Check the supply fan belt. If the belt is frayed or worn, replace it. f. Verify that all wire terminal connection are tight. g. Inspect the unit for unusual conditions such as loose access panels, leaking piping connections, etc. Make sure that all retaining screws are reinstalled in the unit access panels once this checks are complete. h. With the unit running, check and record the: ambient temperature; compressor suction and discharge pressure (each circuit); superheat (each circuit). Record these data on the maintenance log book. 	<div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div>	

Recurring Maintenance Checklist (Annual)
(Submit Service Invoice with This Checklist)

SCHOOL DISTRICT/GROUP NO.: Leeward District		
SCHOOL/LOCATION:		
DATE(S) OF SERVICE:		
School Representative Name (Print):	Signature	Date
Labor/Technician Name:		
1.	6.	
2.	7.	
3.	8.	
4.	9.	
5.	10.	

ANNUAL SERVICE:

1. AIR HANDLING UNITS (AHU) AND FAN COIL UNITS (FCU)	<u>Task Completed</u>	<u>Remarks</u>
<ul style="list-style-type: none"> a. Check pressure drop and temperature differential across coils, and log readings. Clean strainers and check vents and drains on chilled water coils. (Except Ductless Split Units) b. Secure all loose housings, seal leaks and touch-up paint after treating and cleaning all rust. c. Replace any UVC light tubes that have not been replaced since the last annual service. Insure that UVC light is operating. UVC light bulbs shall be replaced every twelve (12) months as a minimum. (Except Ductless Split Units) d. Check condition of insulation; repair/re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification. e. Calibrate temperature controls. f. Clean all fan wheels and interior housings. g. Check for VAV boxes. Locate and exercise every VAV box primary air damper to verify it responds to "open-close" commands. Adjust as required to provide full operational function. (Except Ductless Split Units) h. Operate equipment to check for proper operation, unusual noise and vibration. 	<div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div> <div style="margin-bottom: 10px;"><input type="checkbox"/></div>	

2. <u>TEMPERATURE CONTROLS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Replace worn parts or complete controls with new or reconditioned equivalents, as conditions warrant.	<input type="checkbox"/>	
b. Replace all worn contactors.	<input type="checkbox"/>	
c. Operate equipment to check for proper operation.	<input type="checkbox"/>	

3. <u>PACKAGED WATER CHILLER, RECIPROCATING COMPRESSOR, AIR-COOLED CONDENSER/CONDENSING UNIT</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Have compressor crankcase oil analyzed and submit written report; replace if contaminated; clean or replace strainer and oil filter.	<input type="checkbox"/>	
b. Replace refrigerant filter/drier.	<input type="checkbox"/>	
c. Megger compressor motor and submit report; check starter relay and control contacts and electrical connections for tightness and clean as required.	<input type="checkbox"/>	
d. Add chilled water corrosion inhibitor (closed loop) chemicals as necessary.	<input type="checkbox"/>	
e. Test operate control switches, compressor unloading and safeties; calibrate and record settings. Adjust as required.	<input type="checkbox"/>	
f. Check, wipe down with shop towels and clean all unit housings (inside, outside and components), seal leaks and remove rust from exterior components and touch-up paint with matching color, immediately upon discovery or notification.	<input type="checkbox"/>	
g. Check condition of insulation; re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.	<input type="checkbox"/>	
h. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	
i. Certify performance of annual service, report and correct all discrepancies. Submit maintenance report in writing to the State (DOE Facilities Maintenance Branch).	<input type="checkbox"/>	

4. <u>PACKAGED OR SLPIT DX AIR CONDITIONING UNITS</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Check pressure drop and temperature differential across coils, and log readings. Clean strainers and check vents and drains on water coils.	<input type="checkbox"/>	
b. Secure all loose housings, seal leaks and touch-up paint after treating and cleaning all rust.	<input type="checkbox"/>	

c. Replace any UVC light tubes that have not been replaced since the last annual service. Insure that UVC light is operating. UVC light bulbs shall be replaced every twelve (12) months as a minimum.	<input type="checkbox"/>	
d. Check condition of insulation; repair/re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.	<input type="checkbox"/>	
e. Calibrate temperature controls.	<input type="checkbox"/>	
f. Clean all fan wheels and interior housings.	<input type="checkbox"/>	
g. Check for VAV boxes. Locate and exercise every VAV box primary air damper to verify it responds to "open-close" commands. Adjust as required to provide full operational function.	<input type="checkbox"/>	
h. Have compressor crankcase oil analyzed and submit written report; replace if contaminated; clean or replace strainer and oil filter.	<input type="checkbox"/>	
i. Replace refrigerant filter/drier.	<input type="checkbox"/>	
j. Megger compressor motor and submit report; check starter relay and control contacts and electrical connections for tightness and clean as required.	<input type="checkbox"/>	
k. Add chilled water corrosion inhibitor (closed loop) chemicals as necessary.	<input type="checkbox"/>	
l. Test operate control switches, compressor unloading and safeties; calibrate and record settings. Adjust as required.	<input type="checkbox"/>	
m. Check, wipe down with shop towels and clean all unit housings (inside, outside and components), seal leaks and remove rust from exterior components and touch-up paint with matching color, immediately upon discovery or notification.	<input type="checkbox"/>	
n. Check condition of insulation; re-insulate properly and immediately, including any adjustments made to the insulation when required to make repairs, or upon discovery or notification.	<input type="checkbox"/>	
o. Operate equipment to check for proper operation, unusual noise and vibration.	<input type="checkbox"/>	
p. Certify performance of annual service, report and correct all discrepancies. Submit maintenance report in writing to the State (DOE Facilities Maintenance Branch).	<input type="checkbox"/>	

5. <u>WATER SOURCE HEAT PUMP</u>	<u>Task Completed</u>	<u>Remarks</u>
a. Wash evaporator and refrigerant coils and clean all dirt accumulation, using soft brush and sprayer, including water washer, steam or surfactant chemical coil cleaner (alkali or acidic cleaners not allowed) as necessary.	<input type="checkbox"/>	
b. Restore and straighten any bent coil fin with a fin comb.	<input type="checkbox"/>	
c. Operate equipment to check for proper operation and address/resolve all discrepancies.	<input type="checkbox"/>	

d. Certify performance of annual service. Submit maintenance report in writing to the State (HIDOE Facilities Maintenance Branch).	<input type="checkbox"/>	
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Appendix J :
CONTRACT MINIMUM AND SPECIAL CONDITIONS

1.1 Contract Administrator

For purposes of this contract, the person named below or his duly authorized representative or successor in office is designated Contract Administrator (CA). The CA may be contacted as follows:

Mr. Riki Fujitani
Telephone: 808- 784-5023
Facsimile: 808-586-3468
E-mail: riki_fujitani@notes.k12.hi.us

The CA is responsible for:

- The terms, conditions, quantities, specifications, scope of services, other contract terms, and all decisions relating to the contract;
- Monitoring the CONTRACTOR's work, documenting that CONTRACTOR maintains the required insurance coverage (if applicable), resolving contract disputes and discrepancies, evaluating the work of the CONTRACTOR, assuring the services or goods are delivered as required in the contract, and processing payment for services rendered; and
- Notifying the Procurement and Contracts Branch in the event of change in scope of work, change in the performance period, increase or decrease in total compensation, and/or changes in any other contract terms.

Notwithstanding the responsibilities set forth hereinabove, any coordination of services falling outside those articulated above shall remain with the head of the purchasing agency, as set forth in the attached General Conditions (see General Conditions, paragraph 1, entitled "Coordination of Services by the STATE.").

1.2 HIDEOE's Point of Contact

The CA has designated Danilo Cabalang, Facilities Maintenance Branch, Repair and Maintenance Engineering Section as Point-of-Contact (POC) for this contract. As such, the POC should be the initial contact on all matters related to this contract. He can be contacted by telephone at 808-831-7952, via facsimile at 808-831-6750, or via e-mail at danilo_cabalang@notes.k12.hi.us.

1.3 Liability Insurance and Certificates

The CONTRACTOR shall maintain in full force and effect, during the life of this contract, liability and property damage insurance. This insurance shall protect the CONTRACTOR and his subcontractors, if any, from claims for damages for personal injury, accidental death and property damage which may arise from operations under this contract, whether such operations be by himself or by a subcontractor or anyone directly or indirectly employed by either of them. If any subcontractor is involved in the performance of the contract, the insurance policy or policies shall name the subcontractor as additional insured.

As an alternative to the CONTRACTOR providing insurance to cover operations performed by a subcontractor and naming the subcontractor as additional insured, CONTRACTOR may require subcontractor to provide its own insurance which meets the requirements herein. It is understood that a subcontractor's insurance policy(ies) are in addition to the CONTRACTOR's own policy or policies.

The following minimum insurance coverage(s) and limit(s) shall be provided by the CONTRACTOR, including its subcontractor(s) where appropriate:

<u>Coverage</u>	<u>Limits</u>
General Liability , Commercial (Occurrence Form)	\$2,000,000 aggregate \$1,000,000 combined single limit per occurrence for bodily injury and property damage
Automobile Liability Combined Single Limit	\$1,000,000 per accident
Workers' Compensation	The CONTRACTOR shall maintain workers' compensation and employer's liability insurance that comply with statutory limits.

General liability and automobile liability policies required by this contract, including a subcontractor's policy, shall contain the following clauses:

- 1) "It is agreed that any insurance maintained by the State of Hawaii will apply in excess of, and not contribute with, insurance provided by this policy."
- 2) "The State of Hawaii is added as an additional insured as respects to operations performed for the State of Hawaii."

The minimum insurance required shall be in full compliance with the Hawaii Insurance Code throughout the entire term of the contract, including supplemental agreements. Each insurance policy shall be written by 1) an insurance company licensed to do business in the State of Hawaii, or 2) if not licensed by the State of Hawaii, an insurance company which meets §431:8-301, Hawaii Revised Statutes.

Upon CONTRACTOR's execution of the contract, the CONTRACTOR agrees to deposit with the HIDEOE certificate(s) of insurance necessary to satisfy the HIDEOE that the insurance provisions of this contract have been complied with and to keep such insurance in effect and the certificate(s) therefore on deposit with the HIDEOE during the entire term of this contract, including those of its subcontractor(s), where appropriate. Upon request by the HIDEOE, CONTRACTOR shall be responsible for furnishing a copy of the policy(ies).

Failure of the CONTRACTOR to provide and keep in force such insurance shall be regarded as material default under this contract, entitling the HIDEOE to exercise any or all of the remedies provided herein.

The procuring of such required insurance shall not be construed to limit CONTRACTOR's liability hereunder nor to fulfill the indemnification provisions and requirements of this contract. Notwithstanding said policy(ies) of insurance, CONTRACTOR shall be obliged for the full and total amount of any damage, injury, or loss caused by the CONTRACTOR, its employees, officers, or agents, in connection with this Contract.

CONTRACTOR shall notify the STATE, via written notice within twenty-four (24) hours should any of the insurance policies evidenced on its Certificate of Insurance form be cancelled, limited in scope, or not renewed upon expiration.

1.4 Service Requirements

It is understood and agreed that in addition to the schools listed herein, CONTRACTOR shall be required to furnish services specified herein to any new air conditioning and ventilating equipment/school/building or any school/building not initially listed in this IFB, when such services are required by HIDEOE. CONTRACTOR shall be notified of such requirements by a contract modification issued by the State. The price of the contract modification for the additional air conditioning equipment/schools/buildings/ shall be based on the unit price of similar or comparable air conditioning and ventilating equipment at schools/buildings listed herein. The CONTRACTOR shall submit a price breakdown for all the air conditioning and ventilating equipment for review and approval of HIDEOE. The price breakdown, if approved, shall be the price for the contract modification.

The HIDEOE reserves the right to add or delete air conditioning equipment, whole schools or buildings from the contract and shall make adjustments by contract modifications. The price for the contract modification shall be based on the respective unit prices of air conditioning and ventilating equipment in the schools or buildings deleted.

The HIDEOE reserves the right to suspend maintenance services at any time and for indefinite period on any air conditioning and ventilating equipment if determined by the CA that maintenance and repair services are no longer required. While maintenance and repair services are suspended, it is understood that the CONTRACTOR will no longer service and will no longer invoice for the suspended equipment. Maintenance and repair services suspension cannot be refused, but shall be provided by the CONTRACTOR once maintenance and repair suspension on the equipment is lifted.

In the event that a HIDEOE Project Construction CONTRACTOR requests an item of equipment, included in this contract, be turned off and restarted for their project, this CONTRACTOR shall comply with the request, upon project CONTRACTOR's issuance of a purchase order for the work. CONTRACTOR shall invoice the HIDEOE Project Construction CONTRACTOR directly for this request.

1.5 Work Certification

The CONTRACTOR shall furnish the CA one (1) copy of a service check receipt/report for each unit serviced and a service check list bearing the signature of the maintenance personnel and the signature of the designated HIDEOE school personnel certifying receipt of services. All service reports, tickets, check lists, etc. must be fully completed and signed as hereinbefore specified and must be submitted with monthly invoices or invoices for purchase orders. Services which cannot be certified by a representative of the School may not be compensated. A sample copy of the CONTRACTOR's service report and service checklist forms shall be submitted within 7 days of Contract execution for the CA or POC's review and approval. The HIDEOE reserves the right to provide the CONTRACTOR service report and checklist forms if the CONTRACTOR'S sample forms are deemed incomplete or unacceptable.

1.6 Cleanup

The CONTRACTOR shall keep the job site free of debris, litter, discarded parts, etc. and shall clean all oil drippings or spills during the daily progress of work. The CONTRACTOR shall remove and legally dispose all old replaced malfunctioning parts, tools, and equipment from the service areas and school property upon completion of the work.

1.7 Warranty

The CONTRACTOR shall submit a corrosion protection warranty, including written warranty for replacement of any integral part of equipment listed herein, including but not limited to, condensing units, condenser coils and fan coil units, compressors, fan motors, pumps, as guaranteed by the factory.

The warranty shall consist of the period covered from date of installation, make, model number, serial number, name of building and location of equipment (e.g. library, bandroom, administration) and shall be provided to the HIDEOE.

There will be some air conditioning units, exhaust and ventilating fans that are covered by manufacturer's and installer's warranties and/or initial maintenance service agreement. The expiration dates of these units will be provided by the HIDEOE. As the warranties and/or agreements expire, the CONTRACTOR shall commence service on these units and shall continue to service them for the remaining period of the contract. The CONTRACTOR cannot refuse to accept the additional/replaced equipment.

CONTRACT PRICE ADJUSTMENTS

All requests for contract price adjustments shall be in writing and shall be addressed and submitted to the Contract Administrator in accordance with the following conditions:

1.8 Adjustment Pursuant to Section 103-55, HRS – Wage Rates

At the time of contract award, only the current wages of STATE employees performing similar work were known. Should these wages increase during the period of the contract, the CONTRACTOR may request an increase in contract price. The increase requested must result in increase in wages to the CONTRACTOR's employees performing the work under this agreement, including any increase in benefits required by law that are automatically increased as a result of increased wages, such as federal old age benefits, workers' compensation, temporary disability insurance, unemployment insurance, and prepaid public health insurance.

CONTRACTOR's request for increase must meet the following criteria:

1. At the time of request, CONTRACTOR shall provide documentation to show that he/she is in compliance with §103-55, HRS, i.e., the employees are being paid no less than the known wages of the State position. Documentation shall include the employees' payroll records and a statement that the employees' services are being engaged for this contract.
2. The Hourly Labor Rate for Repairs and Other Authorized Reimbursable Work may be adjusted, provided the wages paid to a State Air Conditioning Mechanic I is adjusted due to contract negotiations for STATE workers during the contract period previous to the extension.
3. Adjustment of the contract price shall be limited to the dollar amount of adjustment in wages paid to the aforementioned STATE position.

Note that if a price adjustment is not requested by the CONTRACTOR for any extended contract period, it cannot be requested during a future extension period. For example, if a price adjustment is requested during the second contract extension period but not during the first contract extension period, the price adjustment, if approved, will include an adjustment for the second extension period only, not both the first and second extension period - it is not retroactive.

The increase shall be reflected in either a contract modification or in the supplemental agreement issued for any extended period of the initial contract.

1.9 Invoicing

CONTRACTOR shall submit an **original** certified invoice, and one (1) copy to:

State of Hawaii
Department of Education
Facilities Maintenance Branch
729 Kakoi Street
Honolulu, HI 96819

A. Maintenance and Repair Service:

Invoice shall include the Project Name, school / district, description of services, month / date of service and contract number; and shall be submitted together with the applicable service and maintenance checklist, certified or signed by a school authority or representative (Principal, Vice-Principal, SASA, Clerk or Custodian). Invoices shall be according to the contracted unit price per

service as shown on Appendix G – Equipment Inventory & Unit Price (Maintenance & Repairs Service).

In the event the CONTRACTOR misses any required services, for whatever reason, they shall not invoice for the missed service.

B. Repairs for Ductless Split Systems, Fresh Air Fans, Dehumidifiers and Unforeseen Events Authorized by the CA:

Invoice shall include the Project Name, school / district; description of services, month / date of service, Maximo Work Order number, purchase order number (if available), Building letter, Room number, Equipment ID, and contract number; and shall be submitted together with the service report certified or signed by a school authority or representative (Principal, Vice-Principal, SASA, Clerk or Custodians), and the original certified invoice from the supplier for the replaced mechanical parts, units or components and the connected accessories; plus a mark-up not exceeding twenty percent (20%), which shall include cost of material, shipping costs if applicable, overhead, profit, taxes and any other incidental expenses. If a subcontractor service is required and approved by the CA (ex. unforeseen work for DDC related repairs), the CONTRACTOR's mark-up shall be limited to 10%, which shall include all the above mentioned expenses. The CONTRACTOR shall substantiate all costs by submitting a copy of parts or material invoices with their invoice to the HIDOE. A purchase order for replaced mechanical parts and components will be issued upon approval of the proposal from the CONTRACTOR. Unless the CONTRACTOR is given a separate purchase order authorizing the repair service, the HIDOE shall not be held responsible for payment of any such work performed by the CONTRACTOR.

The CONTRACTOR shall provide photos taken at the same angle or vintage point that clearly shows the condition of the device/equipment/component before and after the repair work was completed.

Invoices billed from a mainland affiliate must be sent to the CONTRACTOR's local office for inclusion of the appropriate paperwork, before being submitted to HIDOE. Incomplete invoices will be returned to the CONTRACTOR without processing.

1.10 Payment

Section 103-10, HRS, provides that the HIDOE shall have thirty (30) calendar days after receipt of an accepted invoice and satisfactory delivery of goods or performance of the services, to make payment. For this reason, the HIDOE shall reject any Proposal submitted with a condition requiring payment within a shorter period. Further, the HIDOE shall reject any Proposal submitted with a condition requiring interest payments greater than that allowed by section 103-10, HRS. The HIDOE will not recognize any requirements established by the Offeror and communicated to the HIDOE after award of the contract, which requires payment within a shorter period or interest payment not in conformance with section 103-10, HRS.

1.11 Final Payment

The **final payment** on the contract shall be for services rendered during the billing period just prior to the contract anniversary date.

The following shall accompany the final payment invoice:

- A valid (not over 2 months old) and **original** *Tax Clearance Certificate* (TCC) must accompany the final payment invoice. In accordance with Section 103-53, HRS, all CONTRACTORS must provide a TCC from the State of Hawaii Department of Taxation and the U.S. Internal Revenue Service as a prerequisite to receipt of final payment.
- The *Certification of Compliance for Final Payment* (DOE Form-22) with an original signature of an authorized representative of the CONTRACTOR.

- In lieu of the above, CONTRACTOR may submit an original *Certificate of Vendor Compliance* as issued by the State Procurement Office via an online system, also referred to as "Hawaii Compliance Express". Details regarding this online application process can be viewed at: <http://vendors.ehawaii.gov/hce/>.

1.12 Availability of Funds

This contract is subject to the availability of funds. Pursuant to Section 103D-309, HRS, except in certain instances, no contract entered into between the STATE and the CONTRACTOR shall be binding or of any force unless the Chief Financial Officer (CFO) certifies that there is an available unexpended appropriation or balance of an appropriation over and above all outstanding contracts sufficient to cover the amount required by the contract.

If the contract calls for performance or payment in more than one fiscal year (July 1 to June 30), the CFO may certify only that portion of the total funds allocated to satisfy the STATE's obligations for payments in the current fiscal year. In that event, the STATE will not be liable for the unpaid balance beyond the end of the current fiscal year, and availability of funds in excess of the amount certified shall be contingent upon future appropriations or special fund revenues. All partially-funded contracts shall be enforceable only to the extent that funds are certified as available. The STATE agrees to notify the CONTRACTOR of such non-allocation at the earliest possible time. The STATE shall not be penalized in the event this provision is exercised. This provision is not meant to permit the STATE to terminate the contract in order to acquire similar equipment from a third party.

1.13 Subcontracting

Prior to award of the contract, no work or services shall be subcontracted or assigned without the prior written approval of the CA. After award of the contract, no work or services shall be subcontracted or assigned without the prior written approval of the CA. No subcontract shall under any circumstances relieve the CONTRACTOR of its obligations and liability under its Contract with the HIDOE. All persons engaged in performing the work covered by the Contract shall be considered employees of the CONTRACTOR.

1.14 Contract Staffing Requirements

Personnel, whose names and resumes are submitted in the Proposal, shall not be removed from the project without prior approval of the CA. Substitute or additional personnel shall not be used for the project until a resume is received and approved by the CA. The HIDOE shall have the right, and the CONTRACTOR shall comply with any request, to remove and replace any personnel from all work on the project effective immediately upon notification by the HIDOE. Personnel changes that are not approved by the CA may be grounds for Contract termination.

1.15 Exclusion of Specific Workers

The STATE reserves the right to require the CONTRACTOR to remove an employee, agent, subcontractor or volunteer (Worker) from performing work under this contract. The Contract Administrator shall notify the CONTRACTOR in writing and this exclusion of a specific Worker(s) shall take effect as indicated on the notice. The CONTRACTOR may appeal this decision to the Contract Administrator, in writing within ten (10) working days of receipt of the notice. Removal of the employee, agent, subcontractor or volunteer shall remain in effect pending the outcome of the appeal. This provision shall not infringe upon the right of the CONTRACTOR to employ the removed individual, but shall apply to any work requiring interaction with the HIDOE, its employees or students.

1.16 Inspection and Procedural Changes; Relief Available to State

All work is subject to inspection, evaluation, and approval by the CA. The HIDOE may employ all reasonable means to ensure that the work is being performed in compliance with the contract. Should

the CA determine that corrections or changes are necessary in order to accomplish the intent or purpose of the contract, the CA may direct the CONTRACTOR to make such changes.

Failure of the CONTRACTOR to perform any provisions of the Contract (based on the identified portion of unacceptable work received) the HIDEOE may determine CONTRACTOR is in non-compliance with Contract requirements and may:

- Suspend Payments – Temporarily withhold or disallow all or part of the billing cost/payments pending correction of a deficiency or a non-submission of a required deliverable by the Contractor;
- Seek Reimbursement – Seek reimbursement from the Contractor or withhold future payments for any funds paid to the Contractor subsequent to a determination that such was unauthorized, fraudulently obtained, or inappropriately billed.
- Seek Market Value – In the event the Contractor fails, refuses or neglects to perform the services in accordance with the requirements of these Special Conditions, the Scope of Services or the General Conditions, the State reserves the right to purchase, in the open market, a corresponding quantity of the services specified herein and to deduct from any monies due or that may thereafter become due to the Contractor, the difference between the price named in the Contract and the actual cost to the State. In case any money due the Contractor is insufficient for said purpose, the Contractor shall pay the difference upon demand from the State. The State may also utilize all other remedies provided by law.

1.17 Confidentiality

The following serves to supplement provision 24 of the General Condition, entitled "Confidentiality of Material" and provision 42, entitled "Confidentiality of Personal Information":

1.17.1 General Confidentiality Obligations. While performing under this Agreement, the Contractor may receive, be exposed to or acquire confidential information. Such information may include names, addresses, telephone numbers, birthdates, social security numbers, medical information, and other educational, student, or personal employment information. The information may be in written or oral form, fixed in hard copy or contained in a computer data base or computer readable form. Hereinafter, such language shall be collectively referred to as "Confidential Information."

The Contractor, including its employees, agents, representatives, and assigns shall abide by the following with regards to Confidential Information:

- (i) They shall not disclose to any unauthorized party any Confidential Information, except as specifically permitted by the HIDEOE and subject to the State's limitations on confidentiality of information and relevant legal requirements of the State to include, but not limited to the Family Educational Rights and Privacy Act ("FERPA"). Permission will be granted through a formal written agreement concerning the disclosure of personally identifiable information (PII) from student education records, signed by HIDEOE and the CONTRACTOR, and must be provided as an attachment to this contract;
- (ii) They shall only permit access to Confidential Information to employees, agents, representatives, and assigns having a specific need to know in connection with performance under this Agreement; and
- (iii) They shall advise each of their employees, agents, representatives, and assigns of their obligations to keep such Confidential Information confidential.

Contractor, its employees, agents, representatives, or assigns shall ensure the security of the Confidential Information. The Contractor shall provide the HIDEOE with a list of individuals (by name and position) who are authorized to handle the Confidential Information (hereinafter referred to as "Authorized Handlers"). Authorized Handlers shall ensure the security of the Confidential Information. Only Authorized Handlers shall have access to the Confidential Information, which will be kept on password protected computers with the hard copy documents

kept in a locked file cabinet. Contractor shall ensure that procedures exist to prohibit access to the Confidential Information by anyone other than an Authorized Handler.

Contractor will be responsible for safeguarding the confidentiality of all Confidential Information it receives from the HIDOE and shall safeguard and protect such documents from unauthorized use, handling, or viewing. Contractor shall be liable to the HIDOE and to any person whose records the Contractor receives custody of under this Contract for records protection for any unpermitted release, viewing, or loss of such records. The Contractor shall assume liability responsibility for records protection and for the inappropriate or unlawful release of Confidential Information. The Contractor shall return all documents containing Confidential Information upon completion of the services Contractor is contracted to provide under this Agreement.

1. Prior Written Approval. The Contractor may not i) share Confidential Information or any other data received under this Contract, ii) publish, or iii) distribute such information without the prior written approval of the State.
2. In the event of termination of this Contract, Contractor shall return to the State all student information received under this Contract and further agrees to destroy any and all copies of, or references to, any student information shared by State as a result of this Contract.

1.18 Approvals

Any agreement arising out of this RFP may be subject to the approval of the Department of the Attorney General as to form, and is subject to all further approvals, including the approval of the Governor, required by statute, regulation, rule, order, or other directive.

Appendix K:
STATE'S GENERAL CONDITIONS

ATTACHED

GENERAL CONDITIONS

Table of Contents

Page(s)

1.	Coordination of Services by the STATE.....	2
2.	Relationship of Parties: Independent Contractor Status and Responsibilities, Including Tax Responsibilities.....	2
3.	Personnel Requirements	3
4.	Nondiscrimination	3
5.	Conflicts of Interest	3
6.	Subcontracts and Assignments	3
7.	Indemnification and Defense.....	4
8.	Cost of Litigation.....	4
9.	Liquidated Damages	4
10.	STATE'S Right of Offset.....	4
11.	Disputes	4
12.	Suspension of Contract.....	4
13.	Termination for Default.....	5
14.	Termination for Convenience	6
15.	Claims Based on the Agency Procurement Officer's Actions or Omissions.....	8
16.	Costs and Expenses	8
17.	Payment Procedures; Final Payment; Tax Clearance	9
18.	Federal Funds	9
19.	Modifications of Contract.....	9
20.	Change Order.....	10
21.	Price Adjustment	11
22.	Variation in Quantity for Definite Quantity Contracts	11
23.	Changes in Cost-Reimbursement Contract.....	11
24.	Confidentiality of Material	12
25.	Publicity.....	12
26.	Ownership Rights and Copyright	12
27.	Liens and Warranties	12
28.	Audit of Books and Records of the CONTRACTOR.....	13
29.	Cost or Pricing Data	13
30.	Audit of Cost or Pricing Data	13
31.	Records Retention.....	13
32.	Antitrust Claims.....	13
33.	Patented Articles.....	13
34.	Governing Law	14
35.	Compliance with Laws	14
36.	Conflict between General Conditions and Procurement Rules	14
37.	Entire Contract.....	14
38.	Severability	14
39.	Waiver	14
40.	Pollution Control	14
41.	Campaign Contributions.....	14
42.	Confidentiality of Personal Information.....	14

GENERAL CONDITIONS

1. Coordination of Services by the STATE. The head of the purchasing agency ("HOPA") (which term includes the designee of the HOPA) shall coordinate the services to be provided by the CONTRACTOR in order to complete the performance required in the Contract. The CONTRACTOR shall maintain communications with HOPA at all stages of the CONTRACTOR'S work, and submit to HOPA for resolution any questions which may arise as to the performance of this Contract. "Purchasing agency" as used in these General Conditions means and includes any governmental body which is authorized under chapter 103D, HRS, or its implementing rules and procedures, or by way of delegation, to enter into contracts for the procurement of goods or services or both.
2. Relationship of Parties: Independent Contractor Status and Responsibilities, Including Tax Responsibilities.
 - a. In the performance of services required under this Contract, the CONTRACTOR is an "independent contractor," with the authority and responsibility to control and direct the performance and details of the work and services required under this Contract; however, the STATE shall have a general right to inspect work in progress to determine whether, in the STATE'S opinion, the services are being performed by the CONTRACTOR in compliance with this Contract. Unless otherwise provided by special condition, it is understood that the STATE does not agree to use the CONTRACTOR exclusively, and that the CONTRACTOR is free to contract to provide services to other individuals or entities while under contract with the STATE.
 - b. The CONTRACTOR and the CONTRACTOR'S employees and agents are not by reason of this Contract, agents or employees of the State for any purpose, and the CONTRACTOR and the CONTRACTOR'S employees and agents shall not be entitled to claim or receive from the State any vacation, sick leave, retirement, workers' compensation, unemployment insurance, or other benefits provided to state employees.
 - c. The CONTRACTOR shall be responsible for the accuracy, completeness, and adequacy of the CONTRACTOR'S performance under this Contract. Furthermore, the CONTRACTOR intentionally, voluntarily, and knowingly assumes the sole and entire liability to the CONTRACTOR'S employees and agents, and to any individual not a party to this Contract, for all loss, damage, or injury caused by the CONTRACTOR, or the CONTRACTOR'S employees or agents in the course of their employment.
 - d. The CONTRACTOR shall be responsible for payment of all applicable federal, state, and county taxes and fees which may become due and owing by the CONTRACTOR by reason of this Contract, including but not limited to (i) income taxes, (ii) employment related fees, assessments, and taxes, and (iii) general excise taxes. The CONTRACTOR also is responsible for obtaining all licenses, permits, and certificates that may be required in order to perform this Contract.
 - e. The CONTRACTOR shall obtain a general excise tax license from the Department of Taxation, State of Hawaii, in accordance with section 237-9, HRS, and shall comply with all requirements thereof. The CONTRACTOR shall obtain a tax clearance certificate from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of the Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR have been paid and submit the same to the STATE prior to commencing any performance under this Contract. The CONTRACTOR shall also be solely responsible for meeting all requirements necessary to obtain the tax clearance certificate required for final payment under sections 103-53 and 103D-328, HRS, and paragraph 17 of these General Conditions.
 - f. The CONTRACTOR is responsible for securing all employee-related insurance coverage for the CONTRACTOR and the CONTRACTOR'S employees and agents that is or may be required by law, and for payment of all premiums, costs, and other liabilities associated with securing the insurance coverage.

- g. The CONTRACTOR shall obtain a certificate of compliance issued by the Department of Labor and Industrial Relations, State of Hawaii, in accordance with section 103D-310, HRS, and section 3-122-112, HAR, that is current within six months of the date of issuance.
- h. The CONTRACTOR shall obtain a certificate of good standing issued by the Department of Commerce and Consumer Affairs, State of Hawaii, in accordance with section 103D-310, HRS, and section 3-122-112, HAR, that is current within six months of the date of issuance.
- i. In lieu of the above certificates from the Department of Taxation, Labor and Industrial Relations, and Commerce and Consumer Affairs, the CONTRACTOR may submit proof of compliance through the State Procurement Office's designated certification process.

3. Personnel Requirements.

- a. The CONTRACTOR shall secure, at the CONTRACTOR'S own expense, all personnel required to perform this Contract.
- b. The CONTRACTOR shall ensure that the CONTRACTOR'S employees or agents are experienced and fully qualified to engage in the activities and perform the services required under this Contract, and that all applicable licensing and operating requirements imposed or required under federal, state, or county law, and all applicable accreditation and other standards of quality generally accepted in the field of the activities of such employees and agents are complied with and satisfied.

4. Nondiscrimination. No person performing work under this Contract, including any subcontractor, employee, or agent of the CONTRACTOR, shall engage in any discrimination that is prohibited by any applicable federal, state, or county law.

5. Conflicts of Interest. The CONTRACTOR represents that neither the CONTRACTOR, nor any employee or agent of the CONTRACTOR, presently has any interest, and promises that no such interest, direct or indirect, shall be acquired, that would or might conflict in any manner or degree with the CONTRACTOR'S performance under this Contract.

6. Subcontracts and Assignments. The CONTRACTOR shall not assign or subcontract any of the CONTRACTOR'S duties, obligations, or interests under this Contract and no such assignment or subcontract shall be effective unless (i) the CONTRACTOR obtains the prior written consent of the STATE, and (ii) the CONTRACTOR'S assignee or subcontractor submits to the STATE a tax clearance certificate from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR'S assignee or subcontractor have been paid. Additionally, no assignment by the CONTRACTOR of the CONTRACTOR'S right to compensation under this Contract shall be effective unless and until the assignment is approved by the Comptroller of the State of Hawaii, as provided in section 40-58, HRS.

- a. Recognition of a successor in interest. When in the best interest of the State, a successor in interest may be recognized in an assignment contract in which the STATE, the CONTRACTOR and the assignee or transferee (hereinafter referred to as the "Assignee") agree that:

- (1) The Assignee assumes all of the CONTRACTOR'S obligations;
- (2) The CONTRACTOR remains liable for all obligations under this Contract but waives all rights under this Contract as against the STATE; and
- (3) The CONTRACTOR shall continue to furnish, and the Assignee shall also furnish, all required bonds.

- b. Change of name. When the CONTRACTOR asks to change the name in which it holds this Contract with the STATE, the procurement officer of the purchasing agency (hereinafter referred to as the "Agency procurement officer") shall, upon receipt of a document acceptable or satisfactory to the

Agency procurement officer indicating such change of name (for example, an amendment to the CONTRACTOR'S articles of incorporation), enter into an amendment to this Contract with the CONTRACTOR to effect such a change of name. The amendment to this Contract changing the CONTRACTOR'S name shall specifically indicate that no other terms and conditions of this Contract are thereby changed.

- c. Reports. All assignment contracts and amendments to this Contract effecting changes of the CONTRACTOR'S name or novations hereunder shall be reported to the chief procurement officer (CPO) as defined in section 103D-203(a), HRS, within thirty days of the date that the assignment contract or amendment becomes effective.
 - d. Actions affecting more than one purchasing agency. Notwithstanding the provisions of subparagraphs 6a through 6c herein, when the CONTRACTOR holds contracts with more than one purchasing agency of the State, the assignment contracts and the novation and change of name amendments herein authorized shall be processed only through the CPO's office.
- 7. Indemnification and Defense. The CONTRACTOR shall defend, indemnify, and hold harmless the State of Hawaii, the contracting agency, and their officers, employees, and agents from and against all liability, loss, damage, cost, and expense, including all attorneys' fees, and all claims, suits, and demands therefore, arising out of or resulting from the acts or omissions of the CONTRACTOR or the CONTRACTOR'S employees, officers, agents, or subcontractors under this Contract. The provisions of this paragraph shall remain in full force and effect notwithstanding the expiration or early termination of this Contract.
 - 8. Cost of Litigation. In case the STATE shall, without any fault on its part, be made a party to any litigation commenced by or against the CONTRACTOR in connection with this Contract, the CONTRACTOR shall pay all costs and expenses incurred by or imposed on the STATE, including attorneys' fees.
 - 9. Liquidated Damages. When the CONTRACTOR is given notice of delay or nonperformance as specified in paragraph 13 (Termination for Default) and fails to cure in the time specified, it is agreed the CONTRACTOR shall pay to the STATE the amount, if any, set forth in this Contract per calendar day from the date set for cure until either (i) the STATE reasonably obtains similar goods or services, or both, if the CONTRACTOR is terminated for default, or (ii) until the CONTRACTOR provides the goods or services, or both, if the CONTRACTOR is not terminated for default. To the extent that the CONTRACTOR'S delay or nonperformance is excused under paragraph 13d (Excuse for Nonperformance or Delay Performance), liquidated damages shall not be assessable against the CONTRACTOR. The CONTRACTOR remains liable for damages caused other than by delay.
 - 10. STATE'S Right of Offset. The STATE may offset against any monies or other obligations the STATE owes to the CONTRACTOR under this Contract, any amounts owed to the State of Hawaii by the CONTRACTOR under this Contract or any other contracts, or pursuant to any law or other obligation owed to the State of Hawaii by the CONTRACTOR, including, without limitation, the payment of any taxes or levies of any kind or nature. The STATE will notify the CONTRACTOR in writing of any offset and the nature of such offset. For purposes of this paragraph, amounts owed to the State of Hawaii shall not include debts or obligations which have been liquidated, agreed to by the CONTRACTOR, and are covered by an installment payment or other settlement plan approved by the State of Hawaii, provided, however, that the CONTRACTOR shall be entitled to such exclusion only to the extent that the CONTRACTOR is current with, and not delinquent on, any payments or obligations owed to the State of Hawaii under such payment or other settlement plan.
 - 11. Disputes. Disputes shall be resolved in accordance with section 103D-703, HRS, and chapter 3-126, Hawaii Administrative Rules ("HAR"), as the same may be amended from time to time.
 - 12. Suspension of Contract. The STATE reserves the right at any time and for any reason to suspend this Contract for any reasonable period, upon written notice to the CONTRACTOR in accordance with the provisions herein.
 - a. Order to stop performance. The Agency procurement officer may, by written order to the CONTRACTOR, at any time, and without notice to any surety, require the CONTRACTOR to stop all or any part of the performance called for by this Contract. This order shall be for a specified

period not exceeding sixty (60) days after the order is delivered to the CONTRACTOR, unless the parties agree to any further period. Any such order shall be identified specifically as a stop performance order issued pursuant to this section. Stop performance orders shall include, as appropriate: (1) A clear description of the work to be suspended; (2) Instructions as to the issuance of further orders by the CONTRACTOR for material or services; (3) Guidance as to action to be taken on subcontracts; and (4) Other instructions and suggestions to the CONTRACTOR for minimizing costs. Upon receipt of such an order, the CONTRACTOR shall forthwith comply with its terms and suspend all performance under this Contract at the time stated, provided, however, the CONTRACTOR shall take all reasonable steps to minimize the occurrence of costs allocable to the performance covered by the order during the period of performance stoppage. Before the stop performance order expires, or within any further period to which the parties shall have agreed, the Agency procurement officer shall either:

- (1) Cancel the stop performance order; or
 - (2) Terminate the performance covered by such order as provided in the termination for default provision or the termination for convenience provision of this Contract.
- b. Cancellation or expiration of the order. If a stop performance order issued under this section is cancelled at any time during the period specified in the order, or if the period of the order or any extension thereof expires, the CONTRACTOR shall have the right to resume performance. An appropriate adjustment shall be made in the delivery schedule or contract price, or both, and the Contract shall be modified in writing accordingly, if:
- (1) The stop performance order results in an increase in the time required for, or in the CONTRACTOR'S cost properly allocable to, the performance of any part of this Contract; and
 - (2) The CONTRACTOR asserts a claim for such an adjustment within thirty (30) days after the end of the period of performance stoppage; provided that, if the Agency procurement officer decides that the facts justify such action, any such claim asserted may be received and acted upon at any time prior to final payment under this Contract.
- c. Termination of stopped performance. If a stop performance order is not cancelled and the performance covered by such order is terminated for default or convenience, the reasonable costs resulting from the stop performance order shall be allowable by adjustment or otherwise.
- d. Adjustment of price. Any adjustment in contract price made pursuant to this paragraph shall be determined in accordance with the price adjustment provision of this Contract.

13. Termination for Default.

- a. Default. If the CONTRACTOR refuses or fails to perform any of the provisions of this Contract with such diligence as will ensure its completion within the time specified in this Contract, or any extension thereof, otherwise fails to timely satisfy the Contract provisions, or commits any other substantial breach of this Contract, the Agency procurement officer may notify the CONTRACTOR in writing of the delay or non-performance and if not cured in ten (10) days or any longer time specified in writing by the Agency procurement officer, such officer may terminate the CONTRACTOR'S right to proceed with the Contract or such part of the Contract as to which there has been delay or a failure to properly perform. In the event of termination in whole or in part, the Agency procurement officer may procure similar goods or services in a manner and upon the terms deemed appropriate by the Agency procurement officer. The CONTRACTOR shall continue performance of the Contract to the extent it is not terminated and shall be liable for excess costs incurred in procuring similar goods or services.
- b. CONTRACTOR'S duties. Notwithstanding termination of the Contract and subject to any directions from the Agency procurement officer, the CONTRACTOR shall take timely, reasonable, and

necessary action to protect and preserve property in the possession of the CONTRACTOR in which the STATE has an interest.

- c. Compensation. Payment for completed goods and services delivered and accepted by the STATE shall be at the price set forth in the Contract. Payment for the protection and preservation of property shall be in an amount agreed upon by the CONTRACTOR and the Agency procurement officer. If the parties fail to agree, the Agency procurement officer shall set an amount subject to the CONTRACTOR'S rights under chapter 3-126, HAR. The STATE may withhold from amounts due the CONTRACTOR such sums as the Agency procurement officer deems to be necessary to protect the STATE against loss because of outstanding liens or claims and to reimburse the STATE for the excess costs expected to be incurred by the STATE in procuring similar goods and services.
- d. Excuse for nonperformance or delayed performance. The CONTRACTOR shall not be in default by reason of any failure in performance of this Contract in accordance with its terms, including any failure by the CONTRACTOR to make progress in the prosecution of the performance hereunder which endangers such performance, if the CONTRACTOR has notified the Agency procurement officer within fifteen (15) days after the cause of the delay and the failure arises out of causes such as: acts of God; acts of a public enemy; acts of the State and any other governmental body in its sovereign or contractual capacity; fires; floods; epidemics; quarantine restrictions; strikes or other labor disputes; freight embargoes; or unusually severe weather. If the failure to perform is caused by the failure of a subcontractor to perform or to make progress, and if such failure arises out of causes similar to those set forth above, the CONTRACTOR shall not be deemed to be in default, unless the goods and services to be furnished by the subcontractor were reasonably obtainable from other sources in sufficient time to permit the CONTRACTOR to meet the requirements of the Contract. Upon request of the CONTRACTOR, the Agency procurement officer shall ascertain the facts and extent of such failure, and, if such officer determines that any failure to perform was occasioned by any one or more of the excusable causes, and that, but for the excusable cause, the CONTRACTOR'S progress and performance would have met the terms of the Contract, the delivery schedule shall be revised accordingly, subject to the rights of the STATE under this Contract. As used in this paragraph, the term "subcontractor" means subcontractor at any tier.
- e. Erroneous termination for default. If, after notice of termination of the CONTRACTOR'S right to proceed under this paragraph, it is determined for any reason that the CONTRACTOR was not in default under this paragraph, or that the delay was excusable under the provisions of subparagraph 13d, "Excuse for nonperformance or delayed performance," the rights and obligations of the parties shall be the same as if the notice of termination had been issued pursuant to paragraph 14.
- f. Additional rights and remedies. The rights and remedies provided in this paragraph are in addition to any other rights and remedies provided by law or under this Contract.

14. Termination for Convenience.

- a. Termination. The Agency procurement officer may, when the interests of the STATE so require, terminate this Contract in whole or in part, for the convenience of the STATE. The Agency procurement officer shall give written notice of the termination to the CONTRACTOR specifying the part of the Contract terminated and when termination becomes effective.
- b. CONTRACTOR'S obligations. The CONTRACTOR shall incur no further obligations in connection with the terminated performance and on the date(s) set in the notice of termination the CONTRACTOR will stop performance to the extent specified. The CONTRACTOR shall also terminate outstanding orders and subcontracts as they relate to the terminated performance. The CONTRACTOR shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated performance subject to the STATE'S approval. The Agency procurement officer may direct the CONTRACTOR to assign the CONTRACTOR'S right, title, and interest under terminated orders or subcontracts to the STATE. The CONTRACTOR must still complete the performance not terminated by the notice of termination and may incur obligations as necessary to do so.

- c. Right to goods and work product. The Agency procurement officer may require the CONTRACTOR to transfer title and deliver to the STATE in the manner and to the extent directed by the Agency procurement officer:

- (1) Any completed goods or work product; and
- (2) The partially completed goods and materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights (hereinafter called "manufacturing material") as the CONTRACTOR has specifically produced or specially acquired for the performance of the terminated part of this Contract.

The CONTRACTOR shall, upon direction of the Agency procurement officer, protect and preserve property in the possession of the CONTRACTOR in which the STATE has an interest. If the Agency procurement officer does not exercise this right, the CONTRACTOR shall use best efforts to sell such goods and manufacturing materials. Use of this paragraph in no way implies that the STATE has breached the Contract by exercise of the termination for convenience provision.

- d. Compensation.

- (1) The CONTRACTOR shall submit a termination claim specifying the amounts due because of the termination for convenience together with the cost or pricing data, submitted to the extent required by chapter 3-122, HAR, bearing on such claim. If the CONTRACTOR fails to file a termination claim within one year from the effective date of termination, the Agency procurement officer may pay the CONTRACTOR, if at all, an amount set in accordance with subparagraph 14d(3) below.
- (2) The Agency procurement officer and the CONTRACTOR may agree to a settlement provided the CONTRACTOR has filed a termination claim supported by cost or pricing data submitted as required and that the settlement does not exceed the total Contract price plus settlement costs reduced by payments previously made by the STATE, the proceeds of any sales of goods and manufacturing materials under subparagraph 14c, and the Contract price of the performance not terminated.
- (3) Absent complete agreement under subparagraph 14d(2) the Agency procurement officer shall pay the CONTRACTOR the following amounts, provided payments agreed to under subparagraph 14d(2) shall not duplicate payments under this subparagraph for the following:
 - (A) Contract prices for goods or services accepted under the Contract;
 - (B) Costs incurred in preparing to perform and performing the terminated portion of the performance plus a fair and reasonable profit on such portion of the performance, such profit shall not include anticipatory profit or consequential damages, less amounts paid or to be paid for accepted goods or services; provided, however, that if it appears that the CONTRACTOR would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;
 - (C) Costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to subparagraph 14b. These costs must not include costs paid in accordance with subparagraph 14d(3)(B);
 - (D) The reasonable settlement costs of the CONTRACTOR, including accounting, legal, clerical, and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the Contract and for the termination of subcontracts thereunder, together with reasonable storage, transportation, and other costs incurred in connection with the protection or disposition of property allocable to the terminated portion of this Contract. The total sum to be paid the CONTRACTOR under this subparagraph shall not exceed the

total Contract price plus the reasonable settlement costs of the CONTRACTOR reduced by the amount of payments otherwise made, the proceeds of any sales of supplies and manufacturing materials under subparagraph 14d(2), and the contract price of performance not terminated.

- (4) Costs claimed, agreed to, or established under subparagraphs 14d(2) and 14d(3) shall be in accordance with Chapter 3-123 (Cost Principles) of the Procurement Rules.

15. Claims Based on the Agency Procurement Officer's Actions or Omissions.

- a. Changes in scope. If any action or omission on the part of the Agency procurement officer (which term includes the designee of such officer for purposes of this paragraph 15) requiring performance changes within the scope of the Contract constitutes the basis for a claim by the CONTRACTOR for additional compensation, damages, or an extension of time for completion, the CONTRACTOR shall continue with performance of the Contract in compliance with the directions or orders of such officials, but by so doing, the CONTRACTOR shall not be deemed to have prejudiced any claim for additional compensation, damages, or an extension of time for completion; provided:

- (1) Written notice required. The CONTRACTOR shall give written notice to the Agency procurement officer:

- (A) Prior to the commencement of the performance involved, if at that time the CONTRACTOR knows of the occurrence of such action or omission;
- (B) Within thirty (30) days after the CONTRACTOR knows of the occurrence of such action or omission, if the CONTRACTOR did not have such knowledge prior to the commencement of the performance; or
- (C) Within such further time as may be allowed by the Agency procurement officer in writing.

- (2) Notice content. This notice shall state that the CONTRACTOR regards the act or omission as a reason which may entitle the CONTRACTOR to additional compensation, damages, or an extension of time. The Agency procurement officer, upon receipt of such notice, may rescind such action, remedy such omission, or take such other steps as may be deemed advisable in the discretion of the Agency procurement officer;

- (3) Basis must be explained. The notice required by subparagraph 15a(1) describes as clearly as practicable at the time the reasons why the CONTRACTOR believes that additional compensation, damages, or an extension of time may be remedies to which the CONTRACTOR is entitled; and

- (4) Claim must be justified. The CONTRACTOR must maintain and, upon request, make available to the Agency procurement officer within a reasonable time, detailed records to the extent practicable, and other documentation and evidence satisfactory to the STATE, justifying the claimed additional costs or an extension of time in connection with such changes.

- b. CONTRACTOR not excused. Nothing herein contained, however, shall excuse the CONTRACTOR from compliance with any rules or laws precluding any state officers and CONTRACTOR from acting in collusion or bad faith in issuing or performing change orders which are clearly not within the scope of the Contract.

- c. Price adjustment. Any adjustment in the price made pursuant to this paragraph shall be determined in accordance with the price adjustment provision of this Contract.

16. Costs and Expenses. Any reimbursement due the CONTRACTOR for per diem and transportation expenses under this Contract shall be subject to chapter 3-123 (Cost Principles), HAR, and the following guidelines:

- a. Reimbursement for air transportation shall be for actual cost or coach class air fare, whichever is less.
- b. Reimbursement for ground transportation costs shall not exceed the actual cost of renting an intermediate-sized vehicle.
- c. Unless prior written approval of the HOPA is obtained, reimbursement for subsistence allowance (i.e., hotel and meals, etc.) shall not exceed the applicable daily authorized rates for inter-island or out-of-state travel that are set forth in the current Governor's Executive Order authorizing adjustments in salaries and benefits for state officers and employees in the executive branch who are excluded from collective bargaining coverage.

17. Payment Procedures; Final Payment; Tax Clearance.

- a. Original invoices required. All payments under this Contract shall be made only upon submission by the CONTRACTOR of original invoices specifying the amount due and certifying that services requested under the Contract have been performed by the CONTRACTOR according to the Contract.
- b. Subject to available funds. Such payments are subject to availability of funds and allotment by the Director of Finance in accordance with chapter 37, HRS. Further, all payments shall be made in accordance with and subject to chapter 40, HRS.
- c. Prompt payment.
 - (1) Any money, other than retainage, paid to the CONTRACTOR shall be disbursed to subcontractors within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes; and
 - (2) Upon final payment to the CONTRACTOR, full payment to the subcontractor, including retainage, shall be made within ten (10) days after receipt of the money; provided that there are no bona fide disputes over the subcontractor's performance under the subcontract.
- d. Final payment. Final payment under this Contract shall be subject to sections 103-53 and 103D-328, HRS, which require a tax clearance from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR have been paid. Further, in accordance with section 3-122-112, HAR, CONTRACTOR shall provide a certificate affirming that the CONTRACTOR has remained in compliance with all applicable laws as required by this section.

18. Federal Funds. If this Contract is payable in whole or in part from federal funds, CONTRACTOR agrees that, as to the portion of the compensation under this Contract to be payable from federal funds, the CONTRACTOR shall be paid only from such funds received from the federal government, and shall not be paid from any other funds. Failure of the STATE to receive anticipated federal funds shall not be considered a breach by the STATE or an excuse for nonperformance by the CONTRACTOR.

19. Modifications of Contract.

- a. In writing. Any modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract permitted by this Contract shall be made by written amendment to this Contract, signed by the CONTRACTOR and the STATE, provided that change orders shall be made in accordance with paragraph 20 herein.
- b. No oral modification. No oral modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract shall be permitted.

- c. Agency procurement officer. By written order, at any time, and without notice to any surety, the Agency procurement officer may unilaterally order of the CONTRACTOR:
 - (A) Changes in the work within the scope of the Contract; and
 - (B) Changes in the time of performance of the Contract that do not alter the scope of the Contract work.
 - d. Adjustments of price or time for performance. If any modification increases or decreases the CONTRACTOR'S cost of, or the time required for, performance of any part of the work under this Contract, an adjustment shall be made and this Contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined, where applicable, in accordance with the price adjustment clause of this Contract or as negotiated.
 - e. Claim barred after final payment. No claim by the CONTRACTOR for an adjustment hereunder shall be allowed if written modification of the Contract is not made prior to final payment under this Contract.
 - f. Claims not barred. In the absence of a written contract modification, nothing in this clause shall be deemed to restrict the CONTRACTOR'S right to pursue a claim under this Contract or for a breach of contract.
 - g. Head of the purchasing agency approval. If this is a professional services contract awarded pursuant to section 103D-303 or 103D-304, HRS, any modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract which increases the amount payable to the CONTRACTOR by at least \$25,000.00 and ten per cent (10%) or more of the initial contract price, must receive the prior approval of the head of the purchasing agency.
 - h. Tax clearance. The STATE may, at its discretion, require the CONTRACTOR to submit to the STATE, prior to the STATE'S approval of any modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract, a tax clearance from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR have been paid.
 - i. Sole source contracts. Amendments to sole source contracts that would change the original scope of the Contract may only be made with the approval of the CPO. Annual renewal of a sole source contract for services should not be submitted as an amendment.
20. Change Order. The Agency procurement officer may, by a written order signed only by the STATE, at any time, and without notice to any surety, and subject to all appropriate adjustments, make changes within the general scope of this Contract in any one or more of the following:
- (1) Drawings, designs, or specifications, if the goods or services to be furnished are to be specially provided to the STATE in accordance therewith;
 - (2) Method of delivery; or
 - (3) Place of delivery.
- a. Adjustments of price or time for performance. If any change order increases or decreases the CONTRACTOR'S cost of, or the time required for, performance of any part of the work under this Contract, whether or not changed by the order, an adjustment shall be made and the Contract modified in writing accordingly. Any adjustment in the Contract price made pursuant to this provision shall be determined in accordance with the price adjustment provision of this Contract. Failure of the parties to agree to an adjustment shall not excuse the CONTRACTOR from proceeding with the Contract as changed, provided that the Agency procurement officer promptly and duly makes the provisional adjustments in payment or time for performance as may be reasonable. By

proceeding with the work, the CONTRACTOR shall not be deemed to have prejudiced any claim for additional compensation, or any extension of time for completion.

- b. Time period for claim. Within ten (10) days after receipt of a written change order under subparagraph 20a, unless the period is extended by the Agency procurement officer in writing, the CONTRACTOR shall respond with a claim for an adjustment. The requirement for a timely written response by CONTRACTOR cannot be waived and shall be a condition precedent to the assertion of a claim.
- c. Claim barred after final payment. No claim by the CONTRACTOR for an adjustment hereunder shall be allowed if a written response is not given prior to final payment under this Contract.
- d. Other claims not barred. In the absence of a change order, nothing in this paragraph 20 shall be deemed to restrict the CONTRACTOR'S right to pursue a claim under the Contract or for breach of contract.

21. Price Adjustment.

- a. Price adjustment. Any adjustment in the contract price pursuant to a provision in this Contract shall be made in one or more of the following ways:
 - (1) By agreement on a fixed price adjustment before commencement of the pertinent performance or as soon thereafter as practicable;
 - (2) By unit prices specified in the Contract or subsequently agreed upon;
 - (3) By the costs attributable to the event or situation covered by the provision, plus appropriate profit or fee, all as specified in the Contract or subsequently agreed upon;
 - (4) In such other manner as the parties may mutually agree; or
 - (5) In the absence of agreement between the parties, by a unilateral determination by the Agency procurement officer of the costs attributable to the event or situation covered by the provision, plus appropriate profit or fee, all as computed by the Agency procurement officer in accordance with generally accepted accounting principles and applicable sections of chapters 3-123 and 3-126, HAR.
- b. Submission of cost or pricing data. The CONTRACTOR shall provide cost or pricing data for any price adjustments subject to the provisions of chapter 3-122, HAR.

22. Variation in Quantity for Definite Quantity Contracts. Upon the agreement of the STATE and the CONTRACTOR, the quantity of goods or services, or both, if a definite quantity is specified in this Contract, may be increased by a maximum of ten per cent (10%); provided the unit prices will remain the same except for any price adjustments otherwise applicable; and the Agency procurement officer makes a written determination that such an increase will either be more economical than awarding another contract or that it would not be practical to award another contract.

23. Changes in Cost-Reimbursement Contract. If this Contract is a cost-reimbursement contract, the following provisions shall apply:

- a. The Agency procurement officer may at any time by written order, and without notice to the sureties, if any, make changes within the general scope of the Contract in any one or more of the following:
 - (1) Description of performance (Attachment 1);
 - (2) Time of performance (i.e., hours of the day, days of the week, etc.);
 - (3) Place of performance of services;

- (4) Drawings, designs, or specifications when the supplies to be furnished are to be specially manufactured for the STATE in accordance with the drawings, designs, or specifications;
 - (5) Method of shipment or packing of supplies; or
 - (6) Place of delivery.
- b. If any change causes an increase or decrease in the estimated cost of, or the time required for performance of, any part of the performance under this Contract, whether or not changed by the order, or otherwise affects any other terms and conditions of this Contract, the Agency procurement officer shall make an equitable adjustment in the (1) estimated cost, delivery or completion schedule, or both; (2) amount of any fixed fee; and (3) other affected terms and shall modify the Contract accordingly.
 - c. The CONTRACTOR must assert the CONTRACTOR'S rights to an adjustment under this provision within thirty (30) days from the day of receipt of the written order. However, if the Agency procurement officer decides that the facts justify it, the Agency procurement officer may receive and act upon a proposal submitted before final payment under the Contract.
 - d. Failure to agree to any adjustment shall be a dispute under paragraph 11 of this Contract. However, nothing in this provision shall excuse the CONTRACTOR from proceeding with the Contract as changed.
 - e. Notwithstanding the terms and conditions of subparagraphs 23a and 23b, the estimated cost of this Contract and, if this Contract is incrementally funded, the funds allotted for the performance of this Contract, shall not be increased or considered to be increased except by specific written modification of the Contract indicating the new contract estimated cost and, if this contract is incrementally funded, the new amount allotted to the contract.
24. Confidentiality of Material.
- a. All material given to or made available to the CONTRACTOR by virtue of this Contract, which is identified as proprietary or confidential information, will be safeguarded by the CONTRACTOR and shall not be disclosed to any individual or organization without the prior written approval of the STATE.
 - b. All information, data, or other material provided by the CONTRACTOR to the STATE shall be subject to the Uniform Information Practices Act, chapter 92F, HRS.
25. Publicity. The CONTRACTOR shall not refer to the STATE, or any office, agency, or officer thereof, or any state employee, including the HOPA, the CPO, the Agency procurement officer, or to the services or goods, or both, provided under this Contract, in any of the CONTRACTOR'S brochures, advertisements, or other publicity of the CONTRACTOR. All media contacts with the CONTRACTOR about the subject matter of this Contract shall be referred to the Agency procurement officer.
26. Ownership Rights and Copyright. The STATE shall have complete ownership of all material, both finished and unfinished, which is developed, prepared, assembled, or conceived by the CONTRACTOR pursuant to this Contract, and all such material shall be considered "works made for hire." All such material shall be delivered to the STATE upon expiration or termination of this Contract. The STATE, in its sole discretion, shall have the exclusive right to copyright any product, concept, or material developed, prepared, assembled, or conceived by the CONTRACTOR pursuant to this Contract.
27. Liens and Warranties. Goods provided under this Contract shall be provided free of all liens and provided together with all applicable warranties, or with the warranties described in the Contract documents, whichever are greater.

28. Audit of Books and Records of the CONTRACTOR. The STATE may, at reasonable times and places, audit the books and records of the CONTRACTOR, prospective contractor, subcontractor, or prospective subcontractor which are related to:
- a. The cost or pricing data, and
 - b. A state contract, including subcontracts, other than a firm fixed-price contract.
29. Cost or Pricing Data. Cost or pricing data must be submitted to the Agency procurement officer and timely certified as accurate for contracts over \$100,000 unless the contract is for a multiple-term or as otherwise specified by the Agency procurement officer. Unless otherwise required by the Agency procurement officer, cost or pricing data submission is not required for contracts awarded pursuant to competitive sealed bid procedures.
- If certified cost or pricing data are subsequently found to have been inaccurate, incomplete, or noncurrent as of the date stated in the certificate, the STATE is entitled to an adjustment of the contract price, including profit or fee, to exclude any significant sum by which the price, including profit or fee, was increased because of the defective data. It is presumed that overstated cost or pricing data increased the contract price in the amount of the defect plus related overhead and profit or fee. Therefore, unless there is a clear indication that the defective data was not used or relied upon, the price will be reduced in such amount.
30. Audit of Cost or Pricing Data. When cost or pricing principles are applicable, the STATE may require an audit of cost or pricing data.
31. Records Retention.
- (1) Upon any termination of this Contract or as otherwise required by applicable law, CONTRACTOR shall, pursuant to chapter 487R, HRS, destroy all copies (paper or electronic form) of personal information received from the STATE.
 - (2) The CONTRACTOR and any subcontractors shall maintain the files, books, and records that relate to the Contract, including any personal information created or received by the CONTRACTOR on behalf of the STATE, and any cost or pricing data, for at least three (3) years after the date of final payment under the Contract. The personal information shall continue to be confidential and shall only be disclosed as permitted or required by law. After the three (3) year, or longer retention period as required by law has ended, the files, books, and records that contain personal information shall be destroyed pursuant to chapter 487R, HRS or returned to the STATE at the request of the STATE.
32. Antitrust Claims. The STATE and the CONTRACTOR recognize that in actual economic practice, overcharges resulting from antitrust violations are in fact usually borne by the purchaser. Therefore, the CONTRACTOR hereby assigns to STATE any and all claims for overcharges as to goods and materials purchased in connection with this Contract, except as to overcharges which result from violations commencing after the price is established under this Contract and which are not passed on to the STATE under an escalation clause.
33. Patented Articles. The CONTRACTOR shall defend, indemnify, and hold harmless the STATE, and its officers, employees, and agents from and against all liability, loss, damage, cost, and expense, including all attorneys fees, and all claims, suits, and demands arising out of or resulting from any claims, demands, or actions by the patent holder for infringement or other improper or unauthorized use of any patented article, patented process, or patented appliance in connection with this Contract. The CONTRACTOR shall be solely responsible for correcting or curing to the satisfaction of the STATE any such infringement or improper or unauthorized use, including, without limitation: (a) furnishing at no cost to the STATE a substitute article, process, or appliance acceptable to the STATE, (b) paying royalties or other required payments to the patent holder, (c) obtaining proper authorizations or releases from the patent holder, and (d) furnishing such security to or making such arrangements with the patent holder as may be necessary to correct or cure any such infringement or improper or unauthorized use.

34. Governing Law. The validity of this Contract and any of its terms or provisions, as well as the rights and duties of the parties to this Contract, shall be governed by the laws of the State of Hawaii. Any action at law or in equity to enforce or interpret the provisions of this Contract shall be brought in a state court of competent jurisdiction in Honolulu, Hawaii.
35. Compliance with Laws. The CONTRACTOR shall comply with all federal, state, and county laws, ordinances, codes, rules, and regulations, as the same may be amended from time to time, that in any way affect the CONTRACTOR'S performance of this Contract.
36. Conflict Between General Conditions and Procurement Rules. In the event of a conflict between the General Conditions and the procurement rules, the procurement rules in effect on the date this Contract became effective shall control and are hereby incorporated by reference.
37. Entire Contract. This Contract sets forth all of the agreements, conditions, understandings, promises, warranties, and representations between the STATE and the CONTRACTOR relative to this Contract. This Contract supersedes all prior agreements, conditions, understandings, promises, warranties, and representations, which shall have no further force or effect. There are no agreements, conditions, understandings, promises, warranties, or representations, oral or written, express or implied, between the STATE and the CONTRACTOR other than as set forth or as referred to herein.
38. Severability. In the event that any provision of this Contract is declared invalid or unenforceable by a court, such invalidity or unenforceability shall not affect the validity or enforceability of the remaining terms of this Contract.
39. Waiver. The failure of the STATE to insist upon the strict compliance with any term, provision, or condition of this Contract shall not constitute or be deemed to constitute a waiver or relinquishment of the STATE'S right to enforce the same in accordance with this Contract. The fact that the STATE specifically refers to one provision of the procurement rules or one section of the Hawaii Revised Statutes, and does not include other provisions or statutory sections in this Contract shall not constitute a waiver or relinquishment of the STATE'S rights or the CONTRACTOR'S obligations under the procurement rules or statutes.
40. Pollution Control. If during the performance of this Contract, the CONTRACTOR encounters a "release" or a "threatened release" of a reportable quantity of a "hazardous substance," "pollutant," or "contaminant" as those terms are defined in section 128D-1, HRS, the CONTRACTOR shall immediately notify the STATE and all other appropriate state, county, or federal agencies as required by law. The Contractor shall take all necessary actions, including stopping work, to avoid causing, contributing to, or making worse a release of a hazardous substance, pollutant, or contaminant, and shall promptly obey any orders the Environmental Protection Agency or the state Department of Health issues in response to the release. In the event there is an ensuing cease-work period, and the STATE determines that this Contract requires an adjustment of the time for performance, the Contract shall be modified in writing accordingly.
41. Campaign Contributions. The CONTRACTOR is hereby notified of the applicability of 11-355, HRS, which states that campaign contributions are prohibited from specified state or county government contractors during the terms of their contracts if the contractors are paid with funds appropriated by a legislative body.
42. Confidentiality of Personal Information.
- a. Definitions.
- "Personal information" means an individual's first name or first initial and last name in combination with any one or more of the following data elements, when either name or data elements are not encrypted:
- (1) Social security number;
 - (2) Driver's license number or Hawaii identification card number; or

- (3) Account number, credit or debit card number, access code, or password that would permit access to an individual's financial information.

Personal information does not include publicly available information that is lawfully made available to the general public from federal, state, or local government records.

"Technological safeguards" means the technology and the policy and procedures for use of the technology to protect and control access to personal information.

b. Confidentiality of Material.

- (1) All material given to or made available to the CONTRACTOR by the STATE by virtue of this Contract which is identified as personal information, shall be safeguarded by the CONTRACTOR and shall not be disclosed without the prior written approval of the STATE.
- (2) CONTRACTOR agrees not to retain, use, or disclose personal information for any purpose other than as permitted or required by this Contract.
- (3) CONTRACTOR agrees to implement appropriate "technological safeguards" that are acceptable to the STATE to reduce the risk of unauthorized access to personal information.
- (4) CONTRACTOR shall report to the STATE in a prompt and complete manner any security breaches involving personal information.
- (5) CONTRACTOR agrees to mitigate, to the extent practicable, any harmful effect that is known to CONTRACTOR because of a use or disclosure of personal information by CONTRACTOR in violation of the requirements of this paragraph.
- (6) CONTRACTOR shall complete and retain a log of all disclosures made of personal information received from the STATE, or personal information created or received by CONTRACTOR on behalf of the STATE.

c. Security Awareness Training and Confidentiality Agreements.

- (1) CONTRACTOR certifies that all of its employees who will have access to the personal information have completed training on security awareness topics relating to protecting personal information.
- (2) CONTRACTOR certifies that confidentiality agreements have been signed by all of its employees who will have access to the personal information acknowledging that:
 - (A) The personal information collected, used, or maintained by the CONTRACTOR will be treated as confidential;
 - (B) Access to the personal information will be allowed only as necessary to perform the Contract; and
 - (C) Use of the personal information will be restricted to uses consistent with the services subject to this Contract.

d. Termination for Cause. In addition to any other remedies provided for by this Contract, if the STATE learns of a material breach by CONTRACTOR of this paragraph by CONTRACTOR, the STATE may at its sole discretion:

- (1) Provide an opportunity for the CONTRACTOR to cure the breach or end the violation; or
- (2) Immediately terminate this Contract.

In either instance, the CONTRACTOR and the STATE shall follow chapter 487N, HRS, with respect to notification of a security breach of personal information.

e. Records Retention.

- (1) Upon any termination of this Contract or as otherwise required by applicable law, CONTRACTOR shall, pursuant to chapter 487R, HRS, destroy all copies (paper or electronic form) of personal information received from the STATE.
- (2) The CONTRACTOR and any subcontractors shall maintain the files, books, and records that relate to the Contract, including any personal information created or received by the CONTRACTOR on behalf of the STATE, and any cost or pricing data, for at least three (3) years after the date of final payment under the Contract. The personal information shall continue to be confidential and shall only be disclosed as permitted or required by law. After the three (3) year, or longer retention period as required by law has ended, the files, books, and records that contain personal information shall be destroyed pursuant to chapter 487R, HRS or returned to the STATE at the request of the STATE.