Correctional Service Canada | Service correctionnel Canada

RETURN BIDS TO :
RETOURNER LES SOUMISSIONS À :
Bid Receiving - Réception des soumissions:

Correctional Service of Canada
Regional Procurement & Contracting
PO Box 4500 Unit #100
33991 Gladys Avenue
Abbotsford BC V2S 2E8

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

Proposal to: Correctional Service Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out thereof.

Proposition à: Service Correctionnel du Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux appendices ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments — Commentaires :

" THIS DOCUMENT DOES NOT CONTAIN A SECURITY REQUIREMENT" «LE PRÉSENT DOCUMENT NE COMPORTE AUCUNE EXIGENCE RELATIVE À LA SÉCURITÉ. »

Vendor/Firm Name and Address —
Raison sociale et adresse du fournisseur/de l'entrepreneur :

_____

_____

_____

_____

Telephone # — Nº de Téléphone :
_____

Fax # — No de télécopieur :
_____

Email / Courriel : _____

GST # or SIN or Business # — Nº de TPS
ou NAS ou Nº d'entreprise :
_____

Title — Sujet:
Regional HVAC-R Maintenance, Repair and Component Replacement

Solicitation No. — Nº. de l'invitation	**Date: 2020-09-11**
21801-20-0126	

Client Reference No. — Nº. de Référence du Client
21801-20-0126

GETS Reference No. — Nº. de Référence de SEAG
N/A

Solicitation Closes — L'invitation prend fin
at /à : 2 :00 PM Pacific Daylight Time
on / le : 26-October-2020

F.O.B. — F.A.B.
Plant – Usine: Destination: Other-Autre:

Address Enquiries to — Soumettre toutes questions à:

Hersh Minhas

Hersh.Minhas@csc-scc.gc.ca

Telephone No. – Nº de téléphone:	**Fax No. – Nº de télécopieur:**
236-380-0993	**604-870-2444**

Destination of Goods, Services and Construction:
Destination des biens, services et construction:

The following locations in British Columbia : Abbotsford, Mission, Harrison Mills, Agassiz and Chilliwack

Instructions: See Herein
Instructions : Voir aux présentes

Delivery Required — Livraison exigée :	**Delivery Offered – Livraison proposée :**
See herein	Voir aux présentes

Name and title of person authorized to sign on behalf of Vendor/Firm
Nom et titre du signataire autorisé du fournisseur/de l'entrepreneur

_____
Name / Nom Title / Titre

_____
Signature Date

(Sign and return cover page with bid proposal /
Signer et retourner la page de couverture avec la proposition)

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex “A”

3. Revision of Departmental Name

As this bid solicitation is issued by Correctional Service Canada (CSC), any reference to Public Works and Government Services Canada (PWGSC) or its Minister contained in full text or by reference in any term, condition or clause of this document, or any resulting contract, must be interpreted as a reference to CSC or its Minister.

4. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

5. Procurement Ombudsman

The Office of the Procurement Ombudsman (OPO) was established by the Government of Canada to provide an independent venue for Canadian bidders to raise complaints regarding the award of federal contracts under $25,300 for goods and under $101,100 for services. Should you have any issues or concerns regarding the award of a federal contract below these dollar amounts, contact OPO by e-mail at the Office of the Procurement Ombudsman email address, by telephone at 1-866-734-5169, or by web at the Office of the Procurement Ombudsman website. For more information about OPO, including the available services, please visit the OPO website.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days
Insert: one hundred and twenty (120) days

2. Submission of Bids

Bids must be submitted only to Correctional Service of Canada (CSC) by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile, email or epost Connect service to CSC will not be accepted.

3. Former Public Servants

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

an individual;

an individual who has incorporated;

a partnership made of former public servants; or

a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act* , 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S. 1985, c. M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes** ( ) **No** ( )

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

name of former public servant;

date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2019-01 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes** ( ) **No** ( )

If so, the Bidder must provide the following information:

name of former public servant;

conditions of the lump sum payment incentive;

date of termination of employment;

amount of lump sum payment;

rate of pay on which lump sum payment is based;

period of lump sum payment including start date, end date and number of weeks;

number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

4. Enquiries – Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than three (3) business days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

5. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

CSC requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid: **three (3) hard copies**
Section II: Financial Bid: **one (1) hard copy**
Section III: Certifications: **one (1) hard copy**

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Bidders are requested to submit their Financial Bid in an envelope separate from their technical proposal.

CSC requests that bidders follow the format instructions described below in the preparation of their bid:

use 8.5 x 11 inch (216 × 279 mm) paper;
use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process, the Policy on Green Procurement. To assist Canada in reaching its objectives, bidders should:

i. use 8.5 x 11 inch (216 × 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
ii. use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duo tangs or binders.

2. Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the work.

3. Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment detailed in Annex B - Proposed Basis of Payment. The total amount of Applicable Taxes must be shown separately.

See Annex B – Proposed Basis of Payment for the Pricing Schedule format.

3.1 Exchange Rate Fluctuation

SACC Manual clause C3011T 2013-11-06 Exchange Rate Fluctuation

4. Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

An evaluation team composed of representatives of CSC will evaluate the bids.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

Proposals will be evaluated to determine if they meet all mandatory requirements outlined in **Annex C – Evaluation Criteria**. Proposals not meeting all mandatory criteria will be declared non-responsive and will be given no further consideration.

1.2 Financial Evaluation

SACC Manual Clause A0220T 2014-06-26, Evaluation of Price - Bid

Proposals containing a financial bid other than the one requested at **Article 3. Section II: Financial Bid** of **PART 3 – BID PREPARATION INSTRUCTIONS** will be declared non-compliant.

2. Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

Number of Resulting Contract(s): Three

The responsive bids with the lowest evaluated price will be recommended for award of a contract.

3. Insurance Requirements

The Bidder must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Bidder, if awarded a contract as a result of the bid solicitation, can be insured in accordance with the Insurance Requirements specified in article 12 of PART 6 – RESULTING CONTRACT CLAUSES.

If the information is not provided in the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidders' certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

1.1 Integrity Provisions – Declaration of Convicted Offenses

A) Subject to subsection B, by submitting a bid in response to this bid solicitation, the Bidder certifies that:

it has read and understands the Ineligibility and Suspension Policy;

it understands that certain domestic and foreign criminal charges and convictions, and other circumstances, as described in the Policy, will or may result in a determination of ineligibility or suspension under the Policy;

it is aware that Canada may request additional information, certifications, and validations from the Bidder or a third party for purposes of making a determination of ineligibility or suspension;

it has provided with its bid a complete list of all foreign criminal charges and convictions pertaining to itself, its affiliates and its proposed first tier subcontractors that, to the best of its knowledge and belief, may be similar to one of the listed offenses in the Policy;

none of the domestic criminal offenses, and other circumstances, described in the Policy that will or may result in a determination of ineligibility or suspension, apply to it, its affiliates and proposed first tier subcontractors; and

it is not aware of a determination of ineligibility or suspension issued by PWGSC that applies to it.

B) Where a Bidder is unable to provide any of the certifications required by subsection A, it must submit with its bid the completed Integrity Declaration Form. Bidders must submit this form to Correctional Service of Canada with their bid.

1.2 Integrity Provisions – Required documentation

List of names: all Bidders, regardless of their status under the Ineligibility and Suspension Policy, must submit the following information:

Bidders that are corporate entities, including those bidding as joint ventures, must provide a complete list of the names of all current directors or, for a privately owned corporation, the names of the owners of the corporation;
Bidders bidding as sole proprietors, including sole proprietors bidding as joint ventures, must provide a complete list of the names of all owners; or
Bidders that are a partnership do not need to provide a list of names.

List of Names:

_____	_____
_____	_____
_____	_____
_____	_____

OR

☐ The Bidder is a partnership

During the evaluation of bids, the Bidder must, within 10 working days, inform the Contracting Authority in writing of any changes affecting the list of names submitted with the bid.

1.3 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) – Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the “FCP Limited Eligibility to Bid” list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex titled Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

1.4 Language Requirements - English

By submitting a bid, the Bidder certifies that, should it be awarded a contract as result of the bid solicitation, every individual proposed in its bid will be fluent in English. The individual(s) proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

1.5 Certification:

By submitting a bid, the Bidder certifies that the information submitted by the Bidder in response to the above requirements is accurate and complete.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A"

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual issued by Public Works and Government Services Canada.

As this Contract is issued by Correctional Service Canada (CSC), any reference to Public Works and Government Services Canada (PWGSC) or its Minister contained in full text or by reference in any term, condition or clause of this document must be interpreted as a reference to CSC or its Minister.

3.1 General Conditions

2010C (2020-05-28), General Conditions - Services (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Period of the Contract

The Work is to be performed during the period of **02-November-2020 to 01-November-2023**

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name:	Hersh Minhas
Title:	Regional Procurement and Contracting Specialist Correctional Service Canada
Branch/Directorate:	Regional Headquarters – Pacific Region
Telephone:	236-380-0993
E-mail address:	Hersh.Minhas@csc-scc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

[Fill in at contract award only.]

5.2 Project Authority

The Project Authority for the Contract is:

Name: (XXX)
Title: (XXX)
Correctional Service Canada
Branch/Directorate: (XXX)
Telephone: (XXX)
Facsimile: (XXX)
E-mail address: (XXX)

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

[Fill in at contract award only.]

5.3 Contractor's Representative

The Authorized Contractor's Representative is:

Name:
Title:
Company:
Address:
Telephone:
Facsimile:
E-mail address:

6. Payment

6.1 Basis of Payment

The Contractor will be paid for its costs reasonably and properly incurred in the performance of the Work, in accordance with the Basis of payment in annex B, to a limitation of expenditure of *$*_____ Customs duties are included and Applicable Taxes are extra

6.2 Limitation of Expenditure

Canada's total liability to the Contractor under the Contract must not exceed $ _____. Customs duties are included and Applicable Taxes are extra.

No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

when it is 75% committed, or

four months before the contract expiry date, or

as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

6.3 Multiple Payments

Canada will pay the Contractor on a monthly basis for work performed during the month covered by the invoice in accordance with the payment provisions of the Contract if:

an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;

all such documents have been verified by Canada;

the Work performed has been accepted by Canada

6.4 SACC Manual Clauses

SACC Manual clause A9117C 2007-11-30, T1204 - Direct Request by Customer Department
SACC Manual clause C0710C 2007-11-30, Time and Contract Price Verification
SACC Manual clause C0705C 2010-01-11, Discretionary Audit

6.5 Travel and Living Expenses

There are no travel and living expenses associated with the Contract.

7. Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled “Invoice Submission” of the General Conditions. Invoices cannot be submitted until all the work identified in the invoice is completed.

Invoices must be distributed as follows.

The original/one copy must be forwarded to the Project Authority of each site where the work is completed: **[To be completed at contract award only.]**

AND
One email copy must be forwarded to the Contracting Officer at the following:
Hersh.Minhas@csc-scc.gc.ca

8. Certifications and Additional Information

8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC) - Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

10. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

(a) the Articles of Agreement;
(b) the General Conditions 2010C (2020-05-28), General Conditions - Services (Medium Complexity), apply to and form part of the Contract.
(c) Annex A, Statement of Work
(d) Annex B, Basis of Payment;
(e) the Contractor's bid dated _____ (to be inserted at contract award)

11.Termination on Thirty Days Notice

11.1 Canada reserves the right to terminate the Contract at any time in whole or in part by giving thirty (30) calendar days written notice to the Contractor.

11.2 In the event of such termination, Canada will only pay for costs incurred for services rendered and accepted by Canada up to the date of the termination. Despite any other provision of the Contract, there will be no other costs that will be paid to the Contractor as a result of the termination.

12. Insurance – Specific Requirements

The Contractor must comply with the insurance requirements specified below. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.
The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. Coverage must be placed with an Insurer licensed to carry out business in Canada. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than $2,000,000 per accident or occurrence and in the annual aggregate.

The Commercial General Liability policy must include the following:

Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.

Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.

Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.

Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.

Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.

Employees and, if applicable, Volunteers must be included as Additional Insured.

Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)

Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.

Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.

If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.

Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.

13. Ownership Control

Where the Contractor will have access to any and all personal and confidential information belonging to Canada, CSC staff or inmates for the performance of the work, the following will apply:

(a) The Contractor warrants that it is not under ownership control of any non-resident entity (i.e. Individual, partnership, joint venture, corporation, limited liability company, parent company, affiliate or other).

(b) The Contractor shall advise the Minister of any change in ownership control for the duration of the contract.

(c) The Contractor acknowledges that the Minister has relied on this warranty in entering into this Contract and that, in the event of breach of such warranty, or in the event that the Contractor’s ownership control becomes under a non-resident entity, the Minister shall have the right to treat this Contract as being in default and terminate the contract accordingly.

(d) For the purposes of this clause, a non-resident entity is any individual, partnership, joint venture, corporation, limited liability company, parent company, affiliate or other residing outside of Canada.

14. Closure of Government Facilities

14.1 Contractor personnel are employees of the Contractor and are paid by the Contractor on the basis of services rendered. Where the Contractor or the Contractor's employees are providing services on government premises pursuant to this Contract and the said premises become non accessible due to evacuation or closure of government facilities, and consequently no Work is being performed as a result of the closure, Canada will not be liable for payment to the Contractor for the period of closure.

14.2 Contractors working at CSC sites should be aware that they may be faced with delay or refusal of entry to certain areas at certain times even if prior arrangements for access may have been made. Contractors are advised to call in advance of travel to ensure that planned access is still available.

15. Tuberculosis Testing

15.1 It is a condition of this contract that the Contractor or any employees of the Contractor who require entry into a Correctional Service of Canada Institution to fulfill the conditions of the contract may, at the sole discretion of the Warden, be required to provide proof of and results of a recent tuberculin test for the purpose of determining their TB infection status.

15.2 Failure to provide proof of and results of a tuberculin test may result in the termination of the contract.

15.3 All costs related to such testing will be at the sole expense of the Contractor.

16. Compliance with CSC Policies

16.1 The Contractor agrees that its officers, servants, agents and subcontractors will comply with all regulations and policies in force at the site where the work covered by this contract is to be performed.

16.2 Unless otherwise provided in the contract, the Contractor shall obtain all permits and hold all certificates and licenses required for the performance of the Work.

16.3 Details on existing CSC policies can be found on the CSC website or any other CSC web page designated for such purpose.

17. Health and Labour Conditions

17.1 In this section, "Public Entity" means the municipal, provincial or federal government body authorized to enforce any laws concerning health and labour applicable to the performance of the Work or any part thereof.

17.2 The Contractor shall comply with all laws concerning health and labour conditions applicable to the performance of the Work or part thereof and shall also require compliance of same by all its subcontractors when applicable.

17.3 The Contractor upon any request for information or inspection dealing with the Work by an authorized representative of a Public Entity shall forthwith notify the Project Authority or Her Majesty.

17.4 Evidence of compliance with laws applicable to the performance of the Work or part thereof by either the Contractor or its subcontractor shall be furnished by the Contractor to the Project Authority or Her Majesty at such time as the Project Authority or Her Majesty may reasonably request."

18. Identification Protocol Responsibilities

The Contractor must ensure that the Contractor and each of its agents, representatives or subcontractors (referred to as Contractor Representatives for the purposes of this clause) comply with the following self-identification requirements:

18.1 During the performance of any Work at a Government of Canada site, the Contractor and each Contractor Representative must be clearly identified as such at all times;

18.2 During attendance at any meeting, the Contractor or Contractor Representatives must identify themselves as such to all meeting participants;

18.3 If the Contractor or a Contractor Representative requires the use of the Government of Canada's e-mail system in the performance of the Work, then the individual must clearly identify themself as the Contractor or an agent or subcontractor of the Contractor in all electronic mail in the signature block as well as under the e-mail account Properties. This identification protocol must also be used in all other correspondence, communication, and documentation; and

18.4 If Canada determines that the Contractor is not complying with any of the obligations stated in this article, Canada will advise the Contractor and request that the Contractor implement, without delay, appropriate corrective measures to eliminate recurrence of the problem.

19. Dispute Resolution Services

The Parties agree to make every reasonable effort, in good faith, to settle amicably all disputes or claims relating to or arising from the Contract, through negotiations between the Parties' representatives authorized to settle. If the Parties do not reach a settlement within 10 working days, each party hereby consents to fully participate in and bear the cost of mediation led by the Procurement Ombudsman pursuant to Subsection 22.1(3)(d) of the Department of Public Work and Government Services Act and Section 23 of the Procurement Ombudsman Regulations.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169, by e-mail at the Office of the Procurement Ombudsman email address, or by web at the Office of the Procurement Ombudsman website.

20. Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the Department of Public Works and Government Services Act will review a complaint filed by the complainant respecting the administration of the Contract if the requirements of Subsection 22.2(1) of the Department of Public Works and Government Services Act and Sections 15 and 16 of the Procurement Ombudsman Regulations have been met.

To file a complaint, the Office of the Procurement Ombudsman may be contacted by e-mail at the Office of the Procurement Ombudsman email address, by telephone at 1-866-734-5169, or by web at the Office of the Procurement Ombudsman website.

21. Privacy

21.1 The Contractor acknowledges that Canada is bound by the Privacy Act, R.S.C. 1985, c. P-21, with respect to the protection of personal information as defined in that Act. The Contractor shall keep private and confidential any such personal information collected, created or handled by the Contractor under the Contract, and shall not use, copy, disclose, dispose of or destroy such personal information except in accordance with this clause and the delivery provisions of the Contract.

21.2 All such personal information is the property of Canada, and the Contractor shall have no right in or to that information. The Contractor shall deliver to Canada all such personal information in whatever form, including all copies, drafts, working papers, notes, memoranda, reports, data in machine-readable format or otherwise, and documentation which have been made or obtained in relation to this Contract, upon the completion or termination of the Contract, or at such earlier time as the Minister may request. Upon delivery of the personal information to Canada, the Contractor shall have no right to retain that information in any form and shall ensure that no record of the personal information remains in the Contractor's possession.

22. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a *Public Service Superannuation Act* (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2019-01 of the Treasury Board Secretariat of Canada

23. Information Guide for Contractors

Prior to the commencement of any work, the Contractor certifies that its employees, or employees of its subcontractors, working under contract for CSC will complete the applicable Module(s) and retain the signed checklist(s) from the CSC “Information Guide for Contractors” website: www.bit.do/CSC-EN.

ANNEX A – Statement of Work

The Correctional Service Canada has a requirement to solicit qualified mechanical services to repair and perform preventative maintenance services to maintain all institutional air conditioning and refrigeration systems in a state of operating efficiency and reliability. The HVAC-R maintenance service and repair shall involve:

Background:

The Correctional Service of Canada Pacific Region encompasses eight institutions and one community correctional centre in the Fraser Valley of B.C. All locations have various critical and non-critical air conditioning and refrigeration systems that require regular frequency preventative maintenance, leak testing and unscheduled breakdown repairs. There are approximately 443 identified various HVAC-R units in the regional inventory.

Objectives:

To provide emergency and non emergency call ups for repairs, major component replacement(s), leak testing and planned preventative maintenance to a variety of air conditioning and refrigeration systems within federal institutions of various levels of security. The systems range from simple split systems, packaged DX roof top units, chillers, freezers and more. Some of these units are utilized to protect critical electronic security systems, IT servers and others provide space cooling to various security control posts and administration offices and food refrigeration throughout each correctional facility.

There are a total of five separate call up services that the Contractor may be required to provide within this contract. Two of those services are annually required and the remaining three are on an "as and when required" call up basis by the site authority. Those services will be for various types of HVAC-R equipment as listed in the regional equipment inventory Appendix C. Details of those services and response times are as follows:

1.3 **Tasks:**

1.3.1 The Contractor shall respond to an **Emergency repair** request for HVAC-R equipment identified as **CRITICAL** in the HVAC-R regional equipment inventory (attached as Appendix C) by having a service technician on site within 6 hours of receiving the call up request for repair, 24 hours a day, seven days a week unless otherwise directed by the site authority. After the initial assessment of the equipment breakdown and the determination of the repairs needed, the contractor must receive approval from the site authority before proceeding with any repairs.

1.3.2 The contractor shall respond to a **Non-emergency repair** request for any HVAC-R equipment by acknowledging within one day with the site authority either by email or phone that repair service will be provided within 48 hours of receiving the call up request for repair. Work is to be performed during normal business hours unless requested otherwise by the site authority. After the initial assessment of the equipment breakdown and the determination of the repairs needed, the contractor must receive approval from the site authority before proceeding with any repairs.

1.3.3 The Contractor shall be required to provide an **Annual preventative maintenance service** to all HVAC-R units that are identified as **CRITICAL** in the regional HVAC-R equipment inventory list (attached as Appendix C). The Contractor shall plan to provide this service during normal business hours and within a reasonable time frame from the date of the service request. A reasonable time frame can be defined as within 14 days. Work is to be performed during normal business hours.

In addition, the Contractor may be requested by the site authority to provide this annual service to other units on the site inventory list on an "as and when required" basis only.

The site authority must approve this additional work prior to its commencement by the contractor providing an estimated number of hours to complete this service on the requested equipment by utilizing the regional equipment inventory spreadsheet for full equipment details. There is no assurance of this additional annual service work during the contract period.

1.3.4 The site authority may request of the Contractor to provide a **Semi-Annual preventative maintenance service** to any unit on the regional HVAC-R equipment inventory list on an "as and when required" basis only. There is no assurance that this semi annual service will be required for any unit on

the regional equipment inventory during the contract period. The Contractor if so requested, shall provide this service during normal business hours and within a reasonable time frame from the date of the service request. A reasonable time frame can be defined as within 14 days. Work is to be performed during normal business hours.

The site authority must approve this additional work prior to its commencement by the contractor providing an estimated number of hours to complete this service on the requested equipment by utilizing the regional equipment inventory spreadsheet for full equipment details.

1.3.5 The Contractor shall be required to provide an **Annual leak test** service as per the Federal Halocarbon Regulations 2003 section 9 thru 14, on all HVAC-R units that are identified as **Annual Leak Test Required** in the regional HVAC-R equipment inventory list (attached as Appendix C). The contractor shall plan to provide this service during normal business hours and within a reasonable time frame from the date of the service request. A reasonable time frame can be defined as within 14 days. Work is to be performed during normal business hours unless requested otherwise by the site authority.

1.3.6 For the purposes of this contract, normal business hours can be defined as Monday to Friday 8am to 5pm excluding legal holidays.

1.3.7 Although work is to be performed during normal business hours, some work may be required outside of normal business hours including weekends and stat holidays if necessary in the case of emergency repair call up service requests.

1.3.8 For safety and security, the contractor will be escorted by a CSC staff member at all times while inside the institution.

1.3.9 If any repairs, leak tests or maintenance services are completed by the Contractor or any sub Contractor on any refrigerant containing piece of equipment, those repairs and services must be logged in a separate halocarbon service log provided by the site maintenance department. Additionally a documentation of services form (eg. leak test notice) must be supplied and completed by the Contractor which will reside with the physical equipment.

1.3.10 All tasks 1.3.1 through 1.3.5 shall be performed by technicians holding both a current and valid Refrigeration and Air Conditioning Mechanic trade licence in the province of B.C. and an Environmental Awareness Certificate on Ozone Depleting Substances valid in the province of BC.

Procedures for Preventative Maintenance and Leak Test Services

1.3.11 The Contractor when requested will be required to respond to a call up for **Semi-Annual Preventative Maintenance** services as per but not limited to the detailed maintenance instructions to follow:

1.3.11a- **Semi-Annual preventative maintenance service:**

Condensing unit (or outdoor unit)
Confirm crankcase heater operation if applicable.
Check and tighten electrical connections and review condition of motor starters.
Check operating and safety controls such as high pressure and low ambient if applicable.
Check operating temperatures and unit performance as an indication of proper refrigerant charge (do not unnecessarily connect gauges to the system unless deemed essential to the work).
Check operation of condenser fan(s).
Conduct a visual check for refrigerant leaks.
Check compressor(s) amperage reading and refrigerant and oil site glasses if installed.
Check operation of water freeze protection on chillers if applicable.
Review operating and alarm logs.

Evaporator coil/AHU (or indoor unit)
Check and tighten electrical connections.
Check condensate pan and drain for slime build up and flush/clean if necessary.
Check condensate pump is working if applicable or gravity drain is clear.
Check thermostat operation.
Check operating and safety controls such as low pressure.
Check operation of blower motor, belt if applicable and lubricate where necessary.
Check operation of humidifier if applicable.
Check indoor coil air filters and clean/replace if required
Conduct a visual check for refrigerant leaks.

Check for proper airflow.

1.3.12 The Contractor when requested will be required to respond to a call up for **Annual Preventative Maintenance** services as per but not limited to the detailed maintenance instructions to follow:

1.3.12a- **Annual preventative maintenance service**:

Condensing unit (or outdoor unit)
Confirm crankcase heater operation if applicable
Check and tighten electrical connections and review condition of motor starters.
Check operating and safety controls such as high pressure and low ambient if applicable.
Check operating temperatures and unit performance as an indication of proper refrigerant charge (do not unnecessarily connect gauges to the system unless deemed essential to the work)
Check operation of condenser fan(s).
Check compressor(s) amperage reading and refrigerant and oil site glasses if installed
Conduct a visual check for refrigerant leaks.
Check operation of water freeze protection on chillers if applicable.

Review operating and alarm logs.
Clean condenser coils (*cleaning should not occur until end of June after tree cotton has fallen*)

Evaporator coil/AHU (or indoor unit)
Check and tighten electrical connections.
Check condensate pan and drain for slime build up and flush/clean if necessary.
Check condensate pump is working if applicable or gravity drain is clear.
Check thermostat operation.
Check operating and safety controls such as low pressure
Check operation of blower motor, belt if applicable and lubricate where necessary.
Check operation of humidifier if applicable.
Change or clean indoor coil air filters (replacement air filters must be rated a minimum MERV 9)
Check for proper airflow.
Conduct a visual check for refrigerant leaks.
Clean indoor/evaporator coil(s) if dirty.

Note: any cleaning chemicals or consumables (such as air filters) required to provide this Annual PM service to all critical units are to be included by the contractor as part of this maintenance service contract.

1.3.13 The Contractor when requested will be required to respond to a call up for an **Annual Leak Test** service as per the instructions below.

1.3.13a- **Annual leak test service:**

- this service is only required on an annual basis on refrigerant containing systems with an output cooling capacity greater than 19 KW/5.4 tons (identified in the regional HVAC-R inventory list attached as Appendix C)
- this service is to be completed as per the Federal Halocarbon Regulations 2003 sections 9 thru 14.
- CFC's shall not be used for the purpose of leak testing. It is a best practice not to use any halocarbon for leak testing if avoidable
- this annual full service leak test is to go beyond just a visual inspection and shall involve one or a combination of the follow test methods:
- electronic leak detector
- ultraviolet fluorescent dye leak detector
- bubble test- soap and water solution
- water immersion test for any parts that may have been removed

Note: any consumables required to provide this Annual Leak Test Service are to be included by the contractor as part of this maintenance contract.

Deliverables:

1.4.1 All tools, supplies, consumables, repair parts, chemicals, specialized equipment and labour will be supplied by the contractor.

Contractor must carry out in a careful and competent manner and to the satisfaction of the departmental representative, the work set out under the work description herein.

1.4.3 The Contractor must remove from the premises all waste products and rubbish resulting from the service work.

1.4.4 MSDS sheets for all refrigerants, cleaning products, and any other chemicals used in the service work under this contract must be immediately available on site where the work is being performed if and when requested by the site authority.

1.4.5 The Contractor must comply with and perform all work in accordance with the Federal Halocarbon Regulations 2003, the Environmental Code of Practice for the Elimination of Fluorocarbon Emissions from Refrigeration and Air Conditioning Systems 2015 and all other relevant provincial or municipal regulations applicable to the performance of the work.

1.4.6 The Contractor must hold all certifications required for the performance of the work throughout the entire length of the contract term.

1.4.7 The Contractor, at the completion of any call up for any repair, preventative maintenance service or leak test must provide along with an invoice, a service report in electronic format to be emailed to each site where the work was incurred, that will include at a minimum the following information:

a/ the identification of the equipment that was serviced and the date of service.
b/ the type of service work performed eg. semi-annual service, annual service, leak test or repair.
c/ the names of the contractors' staff that completed the work and their trade certificate and environmental awareness ODS certificate numbers.
d/ list of parts and supplies used to include any refrigerant that was either removed or charged to the system and the weight of the amount recovered or installed.
e/ note any recommendations for follow up service or repair.
f/ if any leaks were repaired, halocarbon added or removed, leak tests performed or if a new system is installed, the service technician must complete the required documentation forms of those services provided as follows:
Documentation of services form that resides with the equipment (form provided by contractor)
ii) CSC documentation form(s) relevant for services completed:
CSC 1265 -01c, 1265-01d, 1265-01e or 1265-01f from CSC ISD 318-4 Environmental Management of Halocarbons. These forms will be provided by the client.

Location of work:

1.5.1 The Contractor must perform the work at all institutions/sites listed in any cluster where the Contractor is the winning bidder.

Language of Work:

1.6.1 The contractor must perform all work in English.

APPENDIX A – Site Contacts, Address and Location

Site Number	Site Name and Address (Also for Invoices)	Site Contact/ Site Authority	Alternate
Departmental Authority		To be supplied at contract award	
Group A - Abbotsford			
1	**Fraser Valley Institution** 33344 King Rd. Abbotsford BC V2S 6J5		
2	**Matsqui Institution** PO Box 2500, 33344 King Rd, Abbotsford BC V2S 4P3		
3	**Pacific Institution** PO Box 3000, 33344 King Rd. Abbotsford BC V2S 4P4		
Group B – Agassiz			
4	**Kent Institution** PO Box 1500, 4732 Cemetery Rd. Agassiz BC V0M 1A0		
5	**Mountain Institution** PO Box 1600, 4732 Cemetery Rd, Agassiz BC V0M 1A0		
6	**Chilliwack Community Corrections** 45914 Rowat Avenue Chilliwack BC V2P 1J3		
Group C - Mission			
7	**Mission Medium** PO Box 60, 8751 Stave Lake St. Mission BC V2V 4L8		
8	**Mission Minimum** 33737 Dewdney Trunk Rd. Mission BC V2V 4L8		
9	**Kwikwexwelhp Healing Village** PO Box 110, Harrison Mills BC V0M 1L0		

APPENDIX B – General Contractor Site Safety

Canada Labour Code and Worksafe B.C. Regulations

The institutional and federal staff are regulated under the Canada Labour Code and Canada Occupational Health and Safety Regulations. Contractors are regulated under the provincial authority of Worksafe B.C. Regulations.

Contractors have a duty to ensure that the work performed at an institution is completed while respecting the federal and provincial authorities safety provisions for persons on the work site and adjacent to the work site.

Within the Canada Labour Code Part II OHS section 125(1) (y) it states “ensure that the activities of every person granted access to the work place do not endanger the health and safety of employees” Should a contractor’s work effect the health and safety of the institutional CSC staff and/or the daily operations of the institution, CSC retains the right to stop the work and have the contractor removed from the institution.

Also within the Canada Labour Code Part II OHS section 125(1) (z.14) CSC is responsible to “take all reasonable care to ensure that all of the persons granted access to the work place, other than the employers’ employees, are informed of every known or foreseeable health or safety hazard to which they are likely to be exposed in the work place”.

Site Safety Plans

Each Institution has a number of worker safety plans in place that must be reviewed and followed by the contractor while working on site. These plans will be located in the Maintenance Office at each institution.

*Prior to any work commencing under the Regional HVACR maintenance contract, a start up meeting shall be conducted to discuss site orientation, security and health and safety hazards and requirements of contractors working in federally regulated facilities.

A list of site safety plans and a brief summary of each are as a follows:

Fall Protection

Contractors and other provincially regulated persons shall be required to use their own fall arrest personal protective equipment and to ensure users are properly trained.

Contractors and other provincially regulated persons shall not be permitted to secure themselves to a CSC provided anchoring system unless both CSC and the contractor are satisfied the CSC anchoring system meets WorkSafe BC requirements.

Confined space

COSH Part XI (11.1)

IN ACCORDANCE WITH PART XI OF THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS, A CONFINED SPACE IS "AN ENCLOSED OR PARTIALLY ENCLOSED SPACE THAT IS NOT DESIGNED OR INTENDED FOR HUMAN OCCUPANCY EXCEPT FOR THE PURPOSE OF PERFORMING WORK, HAS RESTRICTED MEANS OF ACCESS AND EGRESS, AND MAY BECOME A HAZARD TO AN EMPLOYEE ENTERING IT DUE TO ITS DESIGN, CONSTRUCTION, LOCATION OR ATMOSPHERE; THE MATERIALS OR SUBSTANCES IN IT; OR ANY OTHER CONDITIONS RELATING TO IT".

*The **WorkSafeBC** definition of a confined space is an area, other than an underground working (e.g. underground mine entrance, tunnel, underground excavation, chamber, caisson, raise, shaft, or natural entry), that possess the following characteristics:*

is enclosed or partially enclosed,

is not designed or intended for continuous human occupancy,

has limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue or other emergency response service, and

is large enough and so configured that a worker could enter to perform assigned work.

Each institution has compiled an inventory of identified confined spaces (available on site) and has conducted a hazard assessment of each space. From that study, a written confined space entry procedure has been developed that must be followed prior to the start of any work in a confined space.

Contractors must provide their own atmospheric testing equipment and will be required to provide proof that all their employees are adequately trained to work within a confined space environment. Training must have been conducted to ensure that all workers are familiar with all confined space entry procedures. All contractors must supply all equipment that is required with confined space entry. Confined space entry procedures, including the provision of a safety watch person, is to be provided by the contractor as prescribed. Failure to do so may result in the termination of their agreement with the institution.

CONTRACTORS ARE RESPONSIBLE FOR ALL CONFINED SPACE RESCUE OF THEIR PERSONNEL. THIS INCLUDES ALL MODERATE AND HIGH HAZARD CONFINED SPACES. CORRECTIONAL SERVICE CANADA (CSC) ARE NOT LIABLE FOR ANY ASPECT OF CONFINED SPACES RESCUE.

Lock Out/Tag Out Procedures

Each Institution has in place a lock out/tag out procedure that applies to all government trade workers working on machines and equipment within each Institution.

Contractors shall follow applicable Provincial regulations in regards to electrical or mechanical lock out/tag out safety procedures to isolate machines or equipment from any energy sources when working within each federal Institution or on federal property.

Any lockout of systems will affect the operation of an institution; the Contractor cannot lockout equipment without some interaction with institutional staff.

• The Contractor shall communicate with the site contract authority regarding any equipment or system proposed to be locked out, the duration of the lockout, identification of the Person In Charge and their contact information.
• The site contract authority shall provide to the Contractor up to date electrical Single Line Diagrams if requested; they may not be required for isolation of Minor Low Voltage Circuits such as a single motor.
• Locks and tags shall clearly indicate the identity of the contractor.
• For high voltage and major low voltage circuits, the Contractor shall meet with qualified institutional staff to inspect the existing infrastructure. The Contractor shall submit an information copy of their isolation and re-energization plan to the site contract authority.

Spill Containment

Each Institution has spill containment supplies to manage emergency spills both inside the institution and in out buildings around each complex. The locations where emergency spill supplies are kept in the maintenance office.

Hazardous Building Materials

Within the Maintenance office at each institution, is a Hazardous Building Materials Management Plan (HBMMP) that complies with the Canada Labour Code and the BC regulations governing the safe work environment for employees, public and contractors visiting or working in buildings containing hazardous building materials associated with each specific institution.

Hazardous building materials considered in this HBMMP include Asbestos Containing Materials (ACM's), lead containing materials, PCB's, mercury containing items, ozone depleting substances, silica and mould or moisture affected building materials.

WHMIS

Any products to be used during the execution of the contract work must be approved by the site contract authority prior to entry into the institution.

A current and Canadian version of MSDS Sheets is required for all WHMIS regulated products entering the institution. Do not bring in any more product than is required.

PPE

It is the contractor's responsibility to ensure that all their employees are provided all Personal Protective Equipment (PPE) necessary to perform all work while on site.

Should an institutional security or emergency situation arise, the escort and/or CSC security staff will instruct the contractor and their workers on the direction to take at that moment.

APPENDIX C – Regional Equipment Inventory

FVI Institution- Matsqui Cluster	**Annual Preventative Maintenance Required-** (and "*As and When Required*" Semi-Annual Preventative Maintenance)						**Annual Leak Test Required -** (and "*As and Wh* Annual Preventative Maintenance)	
Equipment identification #	CU-A1	CU-A2	CU-A3	CU-A4	CU-E4	CH-A1	CU-2	CU-1
Description of equipment	Small Split	Split Heat Pump	Split Heat Pump	Small Split	Small Split	Air cooled Scroll Chiller	Air cooled Scroll Chiller	Air cooled Scroll Chiller
Make	Liebert	Mitsubishi	Mitsubishi	Liebert	Mitsubishi	YORK	ENGINEERED AIR	ENGINEERED AIR
Model	PFH037A-PL7	PUH30EK	PUH24EK1	PFH037A-PL7	MU09TW	YCAL0040EB58	CUE93/0	CUEA92/0
Replaceable air filter sizes (if applicable)	1 @ 16 x 25 x 4	Washable screen	Washable Screen	1 @ 16 x 25 x 4	Washable screen			
Serial number	1017N197320	98E00075D	Illegible	1017N197232	3001726T	RAPM 10319	S51132 CU-2	S45665 CU-1
Capacity of system in (KW/Tons)	37000	30000	24000	37000	9000	37 Ton	9.3 Ton	9.2 Ton
Voltage/ph								
Type of refrigerant	R407C	R-22	R-22	R407C	R-22	R407C	R410A	R407C
Quantity of refrigerant	6.03	4.59	4.51	6.03	0.77	20.4 kg x 2	17.6 kg	5.4 kg x 2
Date/year of manufacture	2010	1998	1998	2010	2004	2005	2013	2009
Physical location in institution of condensor.	FVI Bldg "A" Condenser: On the roof	FVI Bldg "A" Condenser: On the roof	FVI Bldg "A" Condenser:On the roof	FVI Bldg "A" Condenser: On the roof	FVI Bldg "E" Condenser: On the roof	FVI Bldg "A" Roof Top	FVI Bldg Annex "R" East Side Ground	FVI Bldg Healthcare "P" East Side Ground
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Evaporator: CER Room AR-11	Evaporator: Elec. Room AR-62	Evaporator: Comm. Room AR-63	Evaporator: CER Room AR-11	Evaporator: Comm. Room 203			
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Annual leak Test required	Annual leak Test required
*__Note:__ all units may require repairs at anytime.								

FVI Institution- Matsqui Cluster	*en Required* " Semi-Annual Preventative Maintenance and/or		***As and When Required Only* Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance**					
Equipment identification #	RTU-1	CH-A1	CU-B1	CU-B2	CU-B3	CU-C1	CU-D1	CU-D2
Description of equipment	Air cooled Scroll Chiller	Air cooled Scroll Chiller	Small Split	Split Heat Pump	Split Heat Pump	Small Split	Small Split	Small Split
Make	ENGINEERED AIR	YORK	York	Mitsubishi	Mitsubishi	Mitsubishi	Lennox	Lennox
Model	FWE62/DJE20/0	YCAL0040EB58	H5DB048S58A	PUH24EK1	PUH30EK	MU09NW	HS29-024-2P	HS29-018-3P
Replaceable air filter sizes (if applicable)								
Serial number	S49555 RTU-1	RAPM 10319	WFNM027783	44 00027C	95E00049C	9000568T	5803D26679	5803G02622
Capacity of system in (KW/Tons)	6.3 Ton	37 Ton	48000	24000	30000	9000	24000	18000
Voltage/ph								
Type of refrigerant	R410A	R407C	R-22	R-22	R-22	R-22	R-22	R-22
Quantity of refrigerant	5.5 kg	20.4 kg x 2	2.72	4.51	4.59	0.96	1.64	1.7
Date/year of manufacture	2010	2005	2004	1994?	1995	1990	2003	2003
Physical location in institution of condensor.	FVI Bldg Works/ISS "Q" Roof Top	FVI Bldg "A" Roof Top	FVI Bldg "B" Condenser: On the roof	FVI Bldg "B" Condenser: On the roof	FVI Bldg "B" Condenser:On the roof	FVI Bldg "C" Condenser: East side, ground	FVI Bldg "D" Condenser: West side, ground	FVI Bldg "D" Condenser: West side, ground
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.			Evaporator: AHU-B3	Evaporator: Elec. Room BR-27	Evaporator: Comm. Room Br-26	Evaporator: Office CR-2	Evaporator: Corridor 120 above ceiling	Evaporator: Corridor 120 above ceiling.
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	SEASONAL	YEAR ROUND	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

FVI Institution- Matsqui Cluster								
Equipment identification #	CU-E1	CU-E2	CU-E3	CU-1	CU-2	CU-3	CU-4	CU-5
Description of equipment	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split
Make	York	Mitsubishi	Mitsubishi	Trane	Trane	Trane	Trane	Trane
Model	H4DB060S58A	PU18EK1	PU12EK	4TTR7024A1000AA	4TTA3042D3000CA	4TTA3060D3000CA	4TTA3042D3000CA	4TTA3042D3000CA
Replaceable air filter sizes (if applicable)								
Serial number	WDNM049733	33D00940B	4ZD00347A	141567LL2F	16035PXK3F	16024KW45F	16035RC53F	15431T6M3F
Capacity of system in (KW/Tons)	60000	18000	12000	24000	42000	60000	42000	42000
Voltage/ph								
Type of refrigerant	R-22	R-22	R-22	R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	3.63	2.49	2.21	5.05	3.26	3.94	3.04	2.89
Date/year of manufacture	2004	2004	2004	2014	2016	2016	2016	2015
Physical location in institution of condensor.	FVI Bldg "E" Condenser: On the roof	FVI Bldg "E" Condenser: On the roof	FVI Bldg "E" Condenser: On the roof	FVI Bldg "F" Condenser: NW side ground	FVI Bldg "F" Condenser: NW side ground	FVI Bldg "F" Condenser: NW side ground	FVI Bldg "F" Condenser: NW side ground	FVI Bldg "F" Condenser: W side ground
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Evaporator: AHU-E1	Evaporator: Control Post 122	Evaporator: Elec. Room 202	Evaporator: Furnace rm 60	Evaporator: Furnace rm 60	Evaporator: Furnace rm 60	Evaporator: Furnace rm 60	Evaporator: Furnace rm 33
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

FVI Institution- Matsqui Cluster								
Equipment identification #	CU-6	CU-7	CU-8	CU-9	CU-10	CU-11	CU-K1	CU-1
Description of equipment	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split
Make	Trane	Trane	Trane	Trane	Trane	Samsung	Mitsubishi	York
Model	4TTA3060D3000CA	4TTA3030A3000CA	4TTA3030A3000CA	4TTA3060D3000CA	4TTA3060D3000CA	AR24JSFLBWKX	MUM18NW	DCPM09CSM41Q1A
Replaceable air filter sizes (if applicable)								
Serial number	16024KLU5F	16035PAP3F	16061M7F3F	16081RNR5F	16024KP15F	B5KEP8FG700032M	Illegible	63229942626
Capacity of system in (KW/Tons)	60000	30000	30000	60000	60000	22000	18000	9000
Voltage/ph								
Type of refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R-22	R410A
Quantity of refrigerant	3.74	3.35	3.2	4.06	3.89	2.15	1.7	1.2
Date/year of manufacture	2016	2016	2016	2016	2016	2015	1990?	2013
Physical location in institution of condensor.	FVI Bldg "F" Condenser: W side ground	FVI Bldg "F" Condenser: SE side ground	FVI Bldg "F" Condenser: SE side ground	FVI Bldg "F" Condenser: SE side ground	FVI Bldg "F" Condenser: SE side ground	FVI Bldg "F" Condenser: NE side ground	FVI Bldg "K" Condenser: East side ground	FVI Bldg "R" Condenser: East side ground
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Evaporator: Furnace rm 33	Evaporator: Furnace rm 15	Evaporator: Furnace rm 15	Evaporator: Furnace rm 15	Evaporator: Furnace rm.15		Evaporator: Office rm 2	Evaporator: Comm. Room 136
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

FVI Institution- Matsqui Cluster								
Equipment identification #	FR-C1	IM-C1	KC-C1	KC-C2	KC-C3	RCU-C1	RCU-C2	RCU-C3
Description of equipment	Reach-in Freezer	Ice Maker	Walk-in Freezer	Walk-in Cooler	Walk-in Cooler	Walk-in Freezer	Walk-in Cooler	Walk-in Cooler
Make	Foster	Manitowoc	Foster	Bohn	Bohn	Bohn	Bohn	Bohn
Model	QL48	S420	Illegible	ADT104AK	ADT104AK	BHT019L6B	BHT010H2B	BHT010H2B
Replaceable air filter sizes (if applicable)								
Serial number	68-0108046	030920183	Illegible	D08604027	D08F05650	Illegible	T08H05259	T09A04562
Capacity of system in (KW/Tons)						8750	8150	8150
Voltage/ph								
Type of refrigerant	R404A	R404A				R404A	R-22	R-22
Quantity of refrigerant	0.57	0.6				4.59		
Date/year of manufacture	2010	2003				2008	2008	2009
Physical location in institution of condensor.	FVI Bldg "C" Inside NW corner	FVI Bldg "C" Inside NW corner	FVI Bldg "C" Inside S side	FVI Bldg "C" Inside S side	FVI Bldg "C" Inside S side	FVI Bldg "C" Condenser: South side, ground	FVI Bldg "C" Condenser: South side, ground	FVI Bldg "C" Condenser: South side, ground
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.						Evaporator: SE corner	Evaporator: SE corner	Evaporator: SE corner
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Matsqui Institution- Matsqui Cluster	**Annual Preventative Maintenance Required-** (and *As and When Required* Semi-Annual Preventative Maintenance)					**Annual Leak Test Required -** (and *As and When Required* Semi-Annual Prev		
Equipment identification #	M2A -CU-4	M2A - CU-2	M2A -CU-5	M2B - A/C-2	M2B - CU-2	A21 - CU-103	M1A -CU-1	M3-CU-2
Description of equipment	Ductless Split	Ductless Split	Split System	Ductless Split	Ductless Split	MULTI DUCT SPLIT	MULTI DUCT SPLIT	MULTI DUCT SPLIT
Make	Liebert	Eco-Air	LG	Mitsubishi	Mitsubishi	TRANE	MITSUBISHI	MITSUBISHI
Model	PFH037A-PL7	MOG-24HFN1-MT0W	LUU187HV	PUY-A24NHA3	PUY-A24NHA3	TTA240EW00AA	PURY-P72TJMU-A	PURY-P72THMU-A
Replaceable air filter sizes (if applicable)	20X20X4- 3	20X20X4- 3	No Filter	No Filter	No Filter			
Serial number	1017N197304	D200311870615907160010	601KCTB07F01	0XU03945A	06U03612C	12405S7STA	92W00011	88W00081
Capacity of system in (KW/Tons)	4 Tons	2 Tons		2 Tons	2 Tons	20 TONS	6 TONS	6 TONS
Voltage/ph								
Type of refrigerant	R407C	R410A		R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	8.5 kg	2.43 kg		2.72 kg	3.0 kg	18	10.43	10.5 kg
Date/year of manufacture	2010	2016		2010	2010			
Physical location in institution of condensor.	M2A Admin Bldg OUTSIDE BUILDING NORTHSIDE	Admin Bldg MCCP OUTSIDE BUILDING NORTHSIDE	M2A SIO OFFICES OUTSIDE GROUND RM104	M2B OUTSIDE BUILDING NORTHSIDE I.T. DEPT	M2B V&C Bldg South side by W/C ramp	A21, GO Multi Purpose Bldg GROUND LEVEL SOUTH OF BUILDING	M1A, PRINCIPLE ENTRANCE OUTSIDE BUILDING NORTHSIDE	M3 ROOF TOP
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	CER RM136	RM138		RM162				RM69 FLOORS 1, 2, 3
Room number(s) this equipment serves	CER RM136	MCCP RM138		SERVER RM162				CONTROL POSTS RM69
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Annual leak Test required	Annual leak Test required	Annual leak Test required

Matsqui Institution- **Matsqui Cluster**	entative Maintenance and/or Annual Preventative Maintenance)							
Equipment identification #	M4 -CU-4	M5B-CU-4	M13 - CU-1A	M13 -CU-1B	M15 -AC-2	M15 - AC-3	M15 -AC-1	M16-ACC5-AHU1
Description of equipment	MULTI DUCT SPLIT	MULTI DUCT SPLIT	MULTI DUCT SPLIT	MULTI DUCT SPLIT	MAKE-UP AIR	MAKE-UP AIR	ROOFTOP HVAC	MAKE-UP AIR
Make	TRANE	MITSUBISHI	MITSUBISHI	MITSUBISHI	ENGINEERED AIR	ENGINEERED AIR	YORK	ENGINEERED AIR
Model	TTA090D300AA	PURY-P72TJMU-A	PURY-P72THMU-A	PURY-P72THMU-A	FWEA-163	FWEA-183	ZH120C00PEBZZ50002A	CUEA83/D
Replaceable air filter sizes (if applicable)								
Serial number	14105MNGYA	93W00045	88W00141	88W00084	48854AC-2	48854AC-3	NIL0418662	48512ACC-5
Capacity of system in (KW/Tons)	7.5 TONS	6 TONS	6 TONS	6 TONS	13.5 TONS	15 TONS	10 TONS	6.91 TONS
Voltage/ph	208V/3PH/60HZ							
Type of refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	7.25	10.43	10.43	10.43	3 @ 4.091	3 @ 4.530	2 @ 3.580	3 @ 3.84
Date/year of manufacture								
Physical location in institution of condensor.	M4 Lower Kitchen Roof	M5B Back of programs - GROUND	M13 Senior Mgmt OUTSIDE WEST	M13 Senior Mgmt OUTSIDE WEST	M15 ROOF TOP	M15 ROOF TOP	M15 LOWER ROOF TOP	ROOF TOP
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required

Matsqui Institution- Matsqui Cluster	***As and When Required Only* Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance**							
Equipment identification #	A1-RTU-1	A1- RTU-2	A1-RTU-3	A1- RTU-4	A2 -CU-3	A3 - CU-8	A3 -CU-9	A7 - CU-7
Description of equipment	HVAC	HVAC	HVAC	HVAC	Ductless Split	Ductless Split	Ductless Split	A/C C/U
Make	Trane	Trane	Trane	Trane	Carrier	Fujitsu	Fujitsu	Intertherm
Model	4YCC4030A107AA	YSC048G3RHA010	YSC048G3RHA010	4YCC4030A107AA	38HDC018310	A0U12RL2	A0U12RC2	ACS-036BCRBA
Replaceable air filter sizes (if applicable)								
Serial number	17021TFW9H	170211141L	170210279L	17021TE49H	2894X07623	EYN003845	EYN004121	86MR2701
Capacity of system in (KW/Tons)	2.5 Tons	4 Tons	4 Tons	2.5 Tons	1.5 Tons	1 Tons	1 Tons	3 Tons
Voltage/ph								
Type of refrigerant	R410A	R410A	R410A	R410A	R22	R410A	R410A	R22
Quantity of refrigerant	2.86 kg	1.41 kg	1.41 kg	2.86 kg	1.77 kg	.8 kg	.8 kg	.99 kg
Date/year of manufacture	2017	2017	2017	2017	1994			
Physical location in institution of condensor.	A1, Roof	A1, Roof	A1,Roof	A1, Roof	A2, Gym EAST GROUND LEVEL	A3, CHP Roof	A3, CHP Roof	A7, Public Works Office
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	A9 - CU-2	A10 -CU-1	A18-CU-1	A21 -CU-101	A21 -CU-102	M2A - CU-1	M2A - CU-3	M2A - CU-6
Description of equipment	A/C C/U	A/C C/U	SPLIT	Ductless Split	Ductless Split	Ductless Split	Ductless Split	Split System
Make	Lennox	Lennox	MITSUBISHI	Samsung	Samsung	Mitsubishi	Liebert	LG
Model	HS29-042-9Y	HS29-060-9Y	MUM18NW	AQX36VFUAGM	AQX36VFUAGM	MUM18NW	PFH037A-PL7	LSU120HSV4
Replaceable air filter sizes (if applicable)								
Serial number	5803B13362	5803D28847		Y6K8PAFD300289P	Y6K8PAFD300280R	N/A	1017N197303	605KAXV2NK94
Capacity of system in (KW/Tons)	3.5 Tons	5 Tons		3 Tons	3 Tons	2 Tons	4 Tons	
Voltage/ph								
Type of refrigerant	R22	R22	R22	R410A	R410A	R22	R407C	
Quantity of refrigerant	2.44 kg	3.37 kg	.85 kg	2.5 kg	2.5 kg	4.4 kg	8.5 kg	
Date/year of manufacture	2003	2003					2010	
Physical location in institution of condensor.	A9, WELLNESS, WEST SIDE GROUND LEVEL	A10, ADGA, WEST SIDE GROUND LEVEL	MECH TRAILER	A21, GO Multi Purpose Bldg GROUND LEVEL SOUTH OF BUILDING	A21, GO Multi Purpose Bldg GROUND LEVEL SOUTH OF BUILDING	M2A, Admin Bldg OUTSIDE BUILDING NORTHSIDE	M2A Admin Bldg OUTSIDE BUILDING NORTHSIDE	M2A SIO OFFICES OUTSIDE GROUND RM108
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.				LAN TELECOM A21 RM105C	LAN A21 RM205	RM 113	CER RM136	
Room number(s) this equipment serves				LAN TELECOM A21 RM105C	LAN A21 RM205		CER RM136	
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M2A -CU-7	M2A -CU-8	M2B - A/C-1	M2B - CU-3	M2B - CU-4	M2C -CU-1	M2D-RTU-1	M2E -CU-1
Description of equipment	Split System	Split System	Ductless Split	Ductless Split	Split System	SMALL SPLIT	RTU-HVAC	Ductless Split
Make	LG	LG	Mitsubishi	Mitsubishi	Daikin	MITSUBISHI	YORK	Fujitsu
Model	LUU187HV	LSU120HSV4	PUY-A24NHA3	PUY-A24NHA3	RXS12LVJU	PUH18EK	YP048E10P2B221000C	AOU24RLYF2
Replaceable air filter sizes (if applicable)								
Serial number	601KCLH07F00	605KAUU2NL14	09U03902D	06U03703C			NIL0397996	LUN022443
Capacity of system in (KW/Tons)			2 Tons	2 Tons			4TONS	2 Tons
Voltage/ph								
Type of refrigerant			R410A	R410A		R22	R410A	R410A
Quantity of refrigerant			2.72 kg	3.0 kg		5LB 8OZ	5.9kg	2.1 kg
Date/year of manufacture			2010	2010				
Physical location in institution of condensor.	M2A SIO OFFICESOUTSIDE GROUND RM108A	M2A SIO OFFICES OUTSIDE GROUND RM112	M2B BUILDING NORTHSIDE I.T. DEPT	V&C Bldg South side by W/C ramp	V&C Roof	OUTSIDE BUILDING SOUTHSIDE IN YARD UP HIGH ON SIDE OF BLDG	ROOF TOP	M2E- Roof North
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.			RM162				RM203	
Room number(s) this equipment serves			SERVER RM162		JC OFFICES		CONTROL POST RM203 CONTROL POST RM73	
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M2E -CU-2	M2E -CU-3	M2T -CU-1	M3 -CU-3	M3 -CU-4	M4 -AD-1	M4 -RTU-1	M4 -RTU-2
Description of equipment	Ductless Split	Ductless Split	A/C Split System	Ductless Split	Ductless Split	Air Dryer	Ductless Split	Ductless Split
Make	Fujitsu	Mitsubishi	Evcon	Mitsubishi	Mitsubishi	Champion	Mitsubishi	Mitsubishi
Model	AOU12RLFW	PUY-A18NHA4	AC042X1021G	PUY-A12NHA4	PUY-A2NHA4	CRN35A2C1N1	PUZ-A18NHA4	PUZ-A18NHA4
Replaceable air filter sizes (if applicable)								
Serial number	KRN016991	13005536B	WOE5176209	22U02520B	23U11685B	1E+12	38U02556D	3ZU03251A
Capacity of system in (KW/Tons)		1.5 Tons	3.5 Tons	1 Tons	2 Tons		1.5 Tons	1.5 Tons
Voltage/ph								
Type of refrigerant	R410A	R410A	R22	R410A	R410A	R134A	R410A	R410A
Quantity of refrigerant		1.362 kg	2.27 kg	1.27 kg	3.9 kg	0.24 kg	2.8 kg	2.8 kg
Date/year of manufacture		2012			2013			
Physical location in institution of condensor.	M2E Roof North	M2E Roof South	M2T, JC TRAILER GROUND EASTSIDE	M3 ROOF TOP	M3 ROOF TOP	M4 Kitchen Mech Room	M4 ROOF	M4 ROOF
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.				ELECTRICAL RM333	ELECTRICAL RM133			
Room number(s) this equipment serves				ELECTRICAL RM333	ELECTRICAL RM133			
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M4 -RTU-3	M6 -CU-1	M6 - CU-2	M8 - CU-1	M8 -CU-2	M8 -RTU-1	M12 -CU-1	M12 -CU-2
Description of equipment	Ductless Split	ROOFTOP HVAC	ROOFTOP HVAC	Multi Zone Heat Pump	Single Zone Heat Pump	Roof Top Unit	RTU-HVAC	Ductless Split
Make	TRANE	YORK	YORK	Lennox	Lennox	TRANE	YORK	YORK
Model	4TTA3042D3000CA	ZF048N06P2B2210001A	ZF048N06P2B2210001A	MPB03654M-1P	MPB009545-1P	4YCC4024A1060AB	XP060C0092AAA2A	UCJD60541S1C
Replaceable air filter sizes (if applicable)								
Serial number	140911L03F	NIL0397986	NIL0397987	2403666810177110160275P	2403325890174220130184P	180313122L	NID1914759	WON9431087
Capacity of system in (KW/Tons)	3.5 Tons	4 Tons	4 Tons	36000 BTU	9000 BTU	2 Tons	5 Tons	5 Tons
Voltage/ph								
Type of refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	3.24 kg	1.81 kg	1.81 kg	2.4	1.5 lbs	4.8 lbs	5.72 kg	2.44 kg
Date/year of manufacture	2014							
Physical location in institution of condensor.	M4 LOWER ROOF TOP	M6 Maintenance Roof	M6Maintenance Roof	Industries Bldg	Industries Bldg	Industries Bldg	M12 A&D Bldg. ROOF	M12 Outside A&D Bldg.
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M15 -CU-1	M16 - ACC1	M16 - ACC2	M16 - ACC3	A2 -CU-1	A2- FR-1	A2 -FR-2	A2A-CU-2
Description of equipment	SMALL SPLIT	Ductless Split	Ductless Split	SPLIT AC	Walk-in Cooler	Walk-in Freezer	Walk-in Freezer	Cooler
Make	SANYO	Mitsubishi	Mitsubishi	TRANE	RefPlus	RefPlus	RefPlus	Lennox
Model	CL1271	PUY-A36NHA4	PUY-A36NHA4	4TTB3018E1000AA	OEZ-020-1E4-5	OEZ-060-1L4-5	OEZ-040-1E4-5	5175D07296
Replaceable air filter sizes (if applicable)								
Serial number	02345 13	1YU04794A	29U06905D	12204CH13F	D2016030347	D2016040241	D2016030349	
Capacity of system in (KW/Tons)	1TONS	3 Tons	3 Tons	1.5TONS				
Voltage/ph								
Type of refrigerant	R410A	R410A	R410A	R410A	R507	R507	R507	
Quantity of refrigerant	0.9kg	3.00 kg	3.00 kg	2.62kg	7.7 kg	9.1 kg	7.7 kg	
Date/year of manufacture		2012	2012		2016	2016	2016	
Physical location in institution of condensor.	M15 ROOF TOP	LOWER ROOF TOP	LOWER ROOF TOP	LOWER ROOF TOP	A2 WEST OF BUILDING	A2 WEST OF BUILDING	A2 WEST OF BUILDING	A2 WEST OF BUILDING
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	RM116	ELECTRICAL RM204	TES RM203	CONTROL POST RM119				
Room number(s) this equipment serves	LAN RM116	ELECTRICAL RM204	TES RM203	CONTROL POST RM119				
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M4 - COMP-1	M4 - COMP-2	M4 - COMP-3	M4 - COMP-4	M4 - RCU-1	M4 - RCU-10	M4 - RCU-2	M4 - RCU-6
Description of equipment	Compressor	Compressor	Compressor	Compressor	W/I Cooler	W/I Cooler		W/I Cooler
Make	Heat Craft	Heat Craft	Witt Heat	Witt Heat	Keeprite	Keeprite	Heat Craft	Keeprite
Model	BDT0501M6C	BDT0501M6C	WDLD15M44-E	WDLD15M44-E	KEHA008E6-HS2B	KEHA015E6-HT3B	BST030E6C	KEHA008E6-HS2B
Replaceable air filter sizes (if applicable)								
Serial number	T14C03806	T14C03807	E14D00681020001001	E14D00681020001005	122102278	122102283	T14A08463	122102282
Capacity of system in (KW/Tons)	3.7 Tons	3.7 Tons	3.2 Tons	3.2 Tons	.5 Tons	.5 Tons		.5 Tons
Voltage/ph								
Type of refrigerant	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A
Quantity of refrigerant	11 kg	11 kg			2.5kg	3.5 kg		3.0 kg
Date/year of manufacture	2014	2014	2015	2015	2012	2012	2014	2012
Physical location in institution of condensor.	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 WALKWAY KITCHEN DOOR INSIDE LEFT	M4 SOUTH OFF WALKWAY OUTSIDE ON GROUND	M4 ROOF TOP	M4 BACK OF KITCHEN N GROUND
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M4 -6B	M4 -6B-RDNT	M4 -7B	M4 -7B-RDNT	M4 - 13B	M4 - 13B-RDNT	M4 -RCU-3	M4 -RCU-4
Description of equipment	Cooler 187		Freezer 186		Cooler 170		W/I Cooler	W/I Cooler
Make	Heat Craft	Heat Craft	Heat Craft	Heat Craft	Heat Craft	Heat Craft	Keeprite	Keeprite
Model	BST020M6C	BST020M6C	BST030E6C	BST030E6C	BST021M6C	BST021M6C	KEHA008E6-HS2B	KEHA008E6-HS2B
Replaceable air filter sizes (if applicable)								
Serial number	T14B12434	T14B12433	T14B12438	T14B12437	T14B12435	T14B12436	122102279	122102281
Capacity of system in (KW/Tons)	1.5 Tons	1.5 Tons	1.5 Tons	1.5 Tons	1.5 Tons	1.5 Tons	.5 Tons	.5 Tons
Voltage/ph								
Type of refrigerant	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A
Quantity of refrigerant	5.1 kg	5.1 kg	7 kg	7 kg	5.1 kg	5.1 kg	3.0 kg	3.0 kg
Date/year of manufacture	2014	2014	2014	2014	2014	2014	2012	2012
Physical location in institution of condensor.	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 OUTSIDE KITCHEN E GROUND	M4 BACK OF KITCHEN N GROUND	M4 BACK OF KITCHEN N GROUND
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Matsqui Institution-
Matsqui Cluster

Equipment identification #	M4 -RCU-5	M4 -RCU-7	M4 -RCU-8	M4 -RCU-9
Description of equipment	Line Cooler	W/I Freezer		W/I Freezer
Make	Keeprite	Keeprite	Heat Craft	Keeprite
Model	KEHA008E6-HS2B	KEHA035E6-HT3B	BST030E62	KEHA035E6-HT3B
Replaceable air filter sizes (if applicable)				
Serial number	122102280	122102285	T14A08463	122102287
Capacity of system in (KW/Tons)	.5 Tons	.8 Tons		.8 Tons
Voltage/ph				
Type of refrigerant	R404A	R404A	R404A	R404A
Quantity of refrigerant	3.0 kg	4.8 kg		4.8 kg
Date/year of manufacture	2012	2012	2014	2012
Physical location in institution of condensor.	M4 BACK OF KITCHEN N GROUND	M4 BACK OF KITCHEN N GROUND	M4 BACK OF KITCHEN N GROUND	M4 BACK OF KITCHEN N GROUND
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.				
Room number(s) this equipment serves				
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*

Pacific Institution- **Matsqui Cluster**	**Annual Preventative Maintenance Required-** (and "*As and When Required*" Semi-Annual Preventative Maintenance)						**Annual Leak Test Required -** (and "*As and Wh*	
Equipment identification #	CU-F1	CU-G3	CU-G1	CU-G2	CU-G4	CH-G1	CH-A1	CH-B1
Description of equipment	Small Split	Small Split	Small Split	Small Split	Small Split	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller
Make	Liebert	Liebert	Liebert	Liebert	Mitsubishi	York	York	York
Model	PFC037A YL3	PFH020A PL7	PFH037A PL7	PFH037A PL7	PUY-A24NHA6	YCAL0020EB	YCAL0024EB	YCAL0034SB
Replaceable air filter sizes (if applicable)	20x20x4	16x20x4	20x20x4	20x20x4	n/a washable			
Serial number	0211N61132	1017N192765	1017N197239	1017N197257	56U03842C	RBLM002415	RALM002383	RMLM001939
Capacity of system in (KW/Tons)						20 Tons	24 Tons	34 Tons
Voltage/ph								
Type of refrigerant	R22	R407C	R407C	R407C	R407C	407C	407C	407C
Quantity of refrigerant	6.04				3.03	17.3 kg	24.4 kg	31.4 kg
Date/year of manufacture						37300	37298	37222
Physical location in institution of condensor.	F Building LAN Room AC-F1 ROOF TOP	G Building ROOF TOP	G Building ROOF TOP	G Building ROOF TOP	G Building GROUND LEVEL SALLYPORT	G Building CH -G1 Roof top G Unit ROOF TOP	A Building CH -A1 Roof top A Unit ROOF TOP	B Building CH -B1 Roof top B Unit ROOF TOP
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LAN ROOM FA216	G003, G002	G003, G002	G003, G002	RM G003	MCCP PE SMO	BUILDING A	BUILDING B HOSPITAL
Room number(s) this equipment serves	LAN ROOM FA216	T&E G003 CER G002	T&E G003 CER G002	T&E G003 CER G002	T&E G003	MCCP PE SMO	ELECTRICAL ROOM A2002	T&E RM B2003 ELECTRICAL B2002
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Annual leak Test required	Annual leak Test required
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- **Matsqui Cluster**	*en Required* " Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance)							
Equipment identification #	CH-C1	CH-D1	CH-E1	CH-F1	CH-H1	CH-Q1	CU-101	CH-W1
Description of equipment	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Air Cooled Scroll Chiller	Heating and Cooling Unit
Make	York	York	York	York	York	York	Trane	Trane
Model	YCAL0014SB	YCAL0014EB	YCAL0033EE	YCAL0070EB	YCAL0014EB	YCAL0014EB	RAUJC305EC03	SEHLF205HK36C4C
Replaceable air filter sizes (if applicable)								
Serial number	RLKM001665	RELM003293	2LYM017960	RALM002228	RDLM003080	RAMM004851	C13E02832	C13B00848
Capacity of system in (KW/Tons)	14 Tons	14 Tons	33 Tons	70 Tons	14 Tons	14 Tons	30 Tons	20 Tons
Voltage/ph								
Type of refrigerant	407C	407C	R410A	407C	407C	407C	R410A	R410A
Quantity of refrigerant	14.5 kg	14.5 kg	22.7 kg	#1 35.0 kg #2 37.0 kg	14.5 kg	14.5 kg		12.4 kg
Date/year of manufacture	37189	37413	41212	37277	37385	37643	41395	41306
Physical location in institution of condensor.	C Building CH -C1 Roof top C Unit ROOF TOP	D Building CH -D1 Roof top D Unit ROOF TOP	E Building - Top Unit ROOF TOP	F Building CH -F1 Roof top F Unit ROOF TOP	H Building CH -H1 Roof top H Unit ROOF TOP	Q Building CH -Q1 Roof top ROOF TOP	T Building Outside GROUND LEVEL SOUTH	W Building ROOF TOP
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	BUILDING C	BUILDING D ADMIN WING	BUILDING E	BUILDING F OFFICES	BUILDING H V&C SPO PBC	BUILDING Q STAFF AREAS	BUILDING T	BUILDING W
Room number(s) this equipment serves	T&E RM C2003 ELECTRICAL C2002	T&E RM D2003 ELECTRICAL D2002	ELECTRICAL E2002 COMM E2004	MAIN PHARMACY FG105, 106, 107	ELECTRICAL H2002 T&E H2003	ELECTRICAL Q2003 T&E Q2003		
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- Matsqui Cluster		***As and When Required Only* Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance**						
Equipment identification #	CH-G1	CU-A1	CU-B1	CU-C1	CU-D1	CU-E1	CU-E2	CU-E3
Description of equipment	Air Cooled Scroll Chiller	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split
Make	York	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model	YCAL0020EB	PUZA18NHA	PUZA18NHA	PUZA18NHA	PUZA18NHA	PUYA12NHA4	PUYA24NHA4	PUYA24NHA4
Replaceable air filter sizes (if applicable)								
Serial number	RBLM002415	66U006220	65U00324C	65U00322C	65U00326C	21U01856B	13U06981B	4YU19538A
Capacity of system in (KW/Tons)	20 Tons							
Voltage/ph								
Type of refrigerant	407C	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	17.3 kg	1.7	1.7	1.7	1.7	1.3	3.01	3
Date/year of manufacture	37300							
Physical location in institution of condensor.	G Building CH -G1 Roof top G Unit ROOF TOP	A Building ROOF TOP	B Building ROOF TOP	C Building ROOF TOP	D Building ROOF TOP	E Building ROOF TOP	E Building ROOF TOP	E Building GROUND SOUTH SIDE OF BUILDING
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	MCCP PE SMO	AA113	PHARMACY B1005	PHARMACY CA113	PHARMACY DA117	ELECTRICAL E1051	COMM E1008	PHARMACY ED118
Room number(s) this equipment serves	MCCP PE SMO	AA113 PHARMACY	PHARMACY B1005	PHARMACY CA113	PHARMACY DA117	ELECTRICAL E1051	COMM E1008	PHARMACY ED118
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	Annual leak Test required	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- Matsqui Cluster								
Equipment identification #	CU-F2	CU-F16C	CU-F16B	CU-F16A	HP-M01	CU-R3	CU-R1	CU-R2
Description of equipment	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split
Make	Carrier	Payne	Rheem	Rheem	York	Mitsubishi	Mitsubishi	Mitsubishi
Model	38DKC048560	PA13NA036-E	RRKA-A018JK06E	RRKA-A060CK10E	YHJD18S41S28	MUM18NW	MU09NW	MUM18NW
Replaceable air filter sizes (if applicable)								
Serial number	2705E13529	3317X39205	2G6228ADAAF450411664	2G6671ADAAF240506588	1WH4051261	06900848B	9000101T	06901079C
Capacity of system in (KW/Tons)								
Voltage/ph								
Type of refrigerant	R22	R410A	R22	R22	R410A	R22	R22	R22
Quantity of refrigerant	3.09	2.12	1.25	3.37	3	0.85	0.96	0.85
Date/year of manufacture								
Physical location in institution of condensor.	F Building Roof ROOF TOP	F16 Building LOWER ROOF TOP W	F16 Building LOWER ROOF TOP E	F16 Building UPPER ROOF TOP	P5 Shack N outside ground CENTRAL YARD	R Building E GROUND	R Building W GROUND	R Building W GROUND
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	T&E F2003				GUARD SHACK	OFFICES	OFFICES	OFFICES
Room number(s) this equipment serves	T&E F2003	TRAINING AREA	ARMOURY/TRAINING	ARMOURY/TRAINING	P5 SHACK			
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- Matsqui Cluster								
Equipment identification #	CU-S1	CU-102	AC-U1	AC-U2	AC-U3	AC-U4	AC-U5	AC-U6
Description of equipment	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split	Small Split
Make	Mitsubishi	Samsung	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model	MXZ-3B24NA	AQX36VFUAGM	MUM18NW	PU18EK 1	PU18EK 1	MUM18NW	PU18EK 1	PU18EK 1
Replaceable air filter sizes (if applicable)								
Serial number	4XU10690A	Y6K8PAFD300257J	36901511B	35D01075C	3090021B	36901948	26D00977C	35D01074C
Capacity of system in (KW/Tons)								
Voltage/ph								
Type of refrigerant	R410A	R410A	R22	R22	R22	R22	R22	R22
Quantity of refrigerant	7.11 OZ	2.49	0.85	2.49	2.49	0.85	2.49	2.49
Date/year of manufacture								
Physical location in institution of condensor.	S Building School GROUND LEVEL EAST	T Building GROUND LEVEL SOUTH	U Building ROOF TOP NW by N DOOR	U Building ROOF TOP NW by S DOOR	U Building ROOF TOP E middle by S DOOR	U Building ROOF TOP SW by N DOOR	U Building ROOF TOP NE by S DOOR	U Building ROOF TOP SW by S DOOR
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	OFFICES	RM116	CXII OFFICE/INTERVIEW	CONTROL POSTS	CONTROL POSTS	CXII OFFICE/INTERVIEW	CONTROL POSTS	CONTROL POSTS
Room number(s) this equipment serves		T&E RM116	1F CXII OFFICE	CONTROL POSTS	CONTROL POSTS	2F CXII OFFICE	CONTROL POSTS	CONTROL POSTS
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL	SEASONAL
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- Matsqui Cluster								
Equipment identification #	CU-U1	CU-U2	RFG-A1	RFG-B1	RFG-C1	RFG-D1	RFG-E1	RFG-F1
Description of equipment	Small Split	Small Split	Reach In	Reach In	Reach In	Reach In	Reach In	Reach In
Make	Mitsubishi	Mitsubishi	Sanyo	Sanyo	Silver King	Beverageair	Beverageair	Sanyo Medicool
Model	PU24EK	PUH42EK	MDR704GR	MBR304GR	SKR27			MPR-1013R
Replaceable air filter sizes (if applicable)								
Serial number		79E002810	O711009	O710001	SADE30385A	CSCID1.2061	CSCID1.2061	20304044
Capacity of system in (KW/Tons)								
Voltage/ph								
Type of refrigerant	R22	R22		134A	134A			R134A
Quantity of refrigerant	4.5	5.7			0.2			0.31
Date/year of manufacture								
Physical location in institution of condensor.	U Building ROOF TOP E by N DOOR	U Building ROOF TOP SE by S DOOR	A Building Med Wicket A113 A BLDG A113	B Building B1005 B BLDG B1005 B1006	C Building Med Wicket C BLDG A113	D Building Med Wicket D BLDG	E Building ED117 Med Wicket E BLDG D117	F Building FG107 Pharmacy Cooler F BLDG G107
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	ELECTRICAL U3002	T&E U3003						
Room number(s) this equipment serves	ELECTRICAL U3002	T&E U3003						
Seasonal system (cooling season only) OR Year Round	SEASONAL	SEASONAL	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- Matsqui Cluster								
Equipment identification #	RFG-F2	IM-F1	CU-F1	CU-F2	CU-F3	CU-F4	CU-F5	CU-F6
Description of equipment	Reach In	Ice Machine	Condenser Freezer	Condenser	Condenser	Condenser	Condenser Freezer	Condenser
Make	Sanyo Medicool	Manitowoc	Russel	Bohn	Larkin	Keep-Rite	Bohn	Bohn
Model	MPR-513R	QD060ZA	HLH315L44E	BST021L6C	LHT020H2C	KH150HZ-HT3A-1006	BHT015X6C	BHT010X6C
Replaceable air filter sizes (if applicable)								
Serial number	20708746	O20563058	C02165979-6001	T17F04096	T02E01886	2013407	T13D10604	T15K02977
Capacity of system in (KW/Tons)								
Voltage/ph								
Type of refrigerant	R134A	R404A	R507	R404A/R507	R22	R22	R507	R404A
Quantity of refrigerant	0.16	0.79	6.48		4.99	3.63	3.62	
Date/year of manufacture								
Physical location in institution of condensor.	F Building FG105 Pharmacy Dispensing F BLDG G105	F Building Kitchen F BLDG kitchen	F Building ROOF above kitchen FREEZER KC-1 F BLDG ROOF above kitchen	F Building ROOF above kitchen HOLDING FREEZER KC-2 F BLDG ROOF above kitchen	F Building ROOF above kitchen VEGETABLE COOLER KC-3 F BLDG ROOF above kitchen	F Building ROOF above kitchen DAIRY COOLER KC-4 F BLDG ROOF above kitchen	F Building ROOF above kitchen NEW FREEZER KC-5 F BLDG ROOF above kitchen	F Building ROOF above kitchen BREAD COOLER KC-7 F BLDG ROOF above kitchen
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Pacific Institution- Matsqui Cluster								
Equipment identification #	CU-F7	KC-F1	KC-F2	KC-F3	KC-F4	KC-F5	KC-F6	KC-F7
Description of equipment	Condenser	Walk In	Walk In	Walk In	Walk In	Walk In	Walk In	Walk In
Make	Bohn	Keep-Rite	Bohn	Keep-Rite	Keep-Rite	Bohn	Bohn	Keep-Rite
Model	LHT010H2C	KUC8123DED	LET0758K	KLP317MA-S1B	KUC8123A	LET140BK	ADT070AK	KLP209MA-S1B
Replaceable air filter sizes (if applicable)								
Serial number	T02E02263	2010476	T17E17257	102308927	2014496	T14B04889	T17A09978	152101144
Capacity of system in (KW/Tons)								
Voltage/ph								
Type of refrigerant	R22					R707		
Quantity of refrigerant								
Date/year of manufacture								
Physical location in institution of condensor.	F Building ROOF above kitchen RECYCLING F BLDG ROOF above kitchen	F Building Kitchen FREEZER F BLDG B110	F Building Kitchen HOLDING FREEZER F BLDG B110	F Building Kitchen VEGETABLE COOLER F BLDG B110	F Building Kitchen DAIRY COOLER F BLDG B110	F Building Kitchen KOSHER/DIET FREEZER F BLDG B110	F Building Kitchen BREAD COOLER F BLDG B104/B102	F Building Recycling GARBAGE COOLER F BLDG C101
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.								
Room number(s) this equipment serves								
Seasonal system (cooling season only) OR Year Round	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND	YEAR ROUND
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Kent Institution- Kent/Agassiz Cluster	**Annual Preventative Maintenance Required-** (and "*As and When Required*" Semi-Annual Preventative Maintenance)							
Equipment identification #	ACU-N1	ACU-N2	#2	#6	#4	#5	#3	#1
Description of equipment	Heat Pump	Heat Pump	Walk-in Freezer	Walk-in Freezer	Walk-in Dairy cooler	Walk-in Dairy cooler	Walk-in freezer	Walk-in freezer
Make	Fujitsu	Fujitsu	Heat-Craft	Keeprite	Copeland Compressor and Foster Condensor	Copeland Compressor and Foster Condensor	Copeland Compressor and Foster Condensor	Copeland Compressor and Foster Condensor
Model	AOU15RLS2	AOU18RLXFW	HWN025L6C	KEZA015H8-HT3B	F3AD-A151-TFC	F3AD-A151-TFC	F3AD-A201-TFC	F3WH-0101-TFC
Replaceable air filter sizes (if applicable)	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type						
Serial number	JSN011056	KSN008192	T028 02916	142307811	01L93	01L93	01L93	18F93
Capacity of system in (KW/Tons)	14,500 BTU	18,000 BTU	N/A	15,700 BTU	12,700 BTU	12,700 BTU	7,260 BTU	10,200 BTU
Voltage/ph	208v/ 60hz/1 ph	208v/ 60hz/1 ph	208v/ 3phase	208v/ 3phase	208v/ 3phase	208v/ 3phase	208v/ 3phase	208v/ 3phase
Type of refrigerant	R410-A	R410-A	HP80 (R-402A)	R404-A	HP62 (R404-A)	HP62 (R404-A)	HP62 (R404-A)	HP62 (R404-A)
Quantity of refrigerant	1.25	2.10	N/A	5.5	8.62	8.62	10.89	9.53
Date/year of manufacture	N/A	N/A	N/A	2014	1993	1993	1993	1993
Physical location in institution of condensor.	Communications roof	Communications roof	KG207-South Mechanical Room	South Mechanical Room-Roof	KG207 South Mechanical Room	KG207 South Mechanical Room	KG207 South Mechanical Room	KG207 South Mechanical Room
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Communications roof	CM Office	Kitchen	on Norbec walk-in freezer	Kitchen	Kitchen	Kitchen	Kitchen
Room number(s) this equipment serves	IT Server Room	CM Office	Kitchen	Norbec walk-in freezer	Foster	Foster	Foster	Foster
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*__Note:__ all units may require repairs at anytime.								

Kent Institution-
Kent/Agassiz Cluster

Equipment identification #	F-1	F-2	ACU-N3	ACU-N4	ACU-N5	ACU-N6	CC1	CU-103
Description of equipment	Walk-in freezer	Walk-in freezer	Split A/C	Split A/C	Split A/C	Split A/C	Central Cooling A//C	Heat pump
Make	Master-Bilt	Master-Bilt	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	York	Samsung
Model	MHLZ0121B	MHLZ0121B	PUY-A36NHA4	PUY-A36NHA4	PUY-A36NHA4	PUY-A36NHA4	ZH090C00P5AAA4B	AM036FXMDCH/AA
Replaceable air filter sizes (if applicable)			Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	8@24"x24"x1.5" foam	Fan coil has washable nylon mesh type
Serial number	44900	44899	36U11564C	36U11570C	36U11563C	36U11569C	N0B9597431	B10VP3CKA00005M
Capacity of system in (KW/Tons)	15,000	15,000	34,200 BTU	34,200 BTU	34,200 BTU	34,200 BTU	7.5t	36,000 BTU
Voltage/ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	600 v/3 ph	208-230/1ph/60hz
Type of refrigerant	R404-A	R404-A	R410-A	R410-A	R410-A	R410-A	R410A	R410A
Quantity of refrigerant	3.49	3.49	4.22	4.22	4.37	4.22	7.6	4.45 KG
Date/year of manufacture	N/A	N/A	2014	2014	2014	2014	2009	2018
Physical location in institution of condensor.	Kitchen loading dock- north side	Kitchen loading dock- south side	Rooftop above comms rm	Rooftop above comms rm	Rooftop above comms rm	Rooftop above comms rm	West on the Communications Roof	Upper Roof top Pod 2
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Kitchen loading dock- north side	Kitchen loading dock- south side	N106-CER Room	N106-CER Room	N106-CER Room	N106-CER Room	AHU 2 North Mech Rm	Pod 2 mechanical room
Room number(s) this equipment serves	walk in freezer	walk in freezer	N106-CER Room	N106-CER Room	N106-CER Room	N106-CER Room	Upper Admin	Pod 2 CER
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*Note: all units may require repairs at anytime.								

Kent Institution-
Kent/Agassiz Cluster

Equipment identification #	CU-104	Module#1	ACU-P1-1	ACU-P1-2	ACU-P1-3	ACU-P1-4	CU-1	CC2
Description of equipment	Heat pump	Air cooled chiller	Split A/C	Split A/C	Split A/C	Split A/C	Heat Pump	Central Cooling A//C
Make	Samsung	Airstack	Carrier	Carrier	Carrier	Carrier	Samsung	York
Model	AM036FXMDCH/AA	ASP010XC11C2AS1AAASN	35HDF018-301	35HDF018-301	24ACB348A500	38HDF030-3	AQV18NSDX	ZH090C00P5AAA4B
Replaceable air filter sizes (if applicable)	Fan coil has washable nylon mesh type	10 @24"x24"x1.5" foam type	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	Fan coil has washable nylon mesh type	10@24"x24"x1.5" foam
Serial number	B10VP3CKA00007T	A1-03-021	2807X92025	1406X91239	4608E05513	3508X90332	Y024PAEC300149J	N0B9597432
Capacity of system in (KW/Tons)	36,000 btu	10 TONS	18,000 BTU	18,000 BTU	48,000 BTU	30,000 BTU	18,000 BTU	7.5t
Voltage/ph	208-230/1ph/60hz	600v/3ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208v/ 60hz/1 ph	600 v/3 ph
Type of refrigerant	R410A	R410A	R410-A	R410-A	R410-A	R410-A	R410-A	R410A
Quantity of refrigerant	4.72 KG	9.53 kg	2.72	2.72	3.63	3.36	1.45	7.6
Date/year of manufacture	2018	2018	2007	2006	2008	2008	2012	2009
Physical location in institution of condensor.	Upper Roof top Pod 2	Upper Roof top Pod 2	Pod1 rooftop	Pod1 rooftop	Pod1 rooftop	Pod1 rooftop	GO Building-Parking Lot west	East on the Communications Roof
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Pod 2 mechanical room	Pod 2 mechanical room	Pod 1 Security room	Pod 1 Tel/Data room	Pod 1-Mech room AHU-5	Pod 1-Security Room	IT Communications Room	AHU 2 North Mech Rm
Room number(s) this equipment serves	Pod 2 CER	Gunwalk/Control Post	Pod 1 Security room	Pod 1 Tel/Data room	Pod 1-Control Post AHU-5	Pod 1-Security Room	Communications Room	Lower Admin
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Seasonal	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*Note: all units may require repairs at anytime.								

Kent Institution- Kent/Agassiz Cluster	**Annual Leak Test Required -** (and "*As and When Required* " Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance)							
Equipment identification #	30 ton	20 ton A	ACU-PE1	ACU-PE2	20 ton B	CU-2	DX-1	DX-2
Description of equipment	Chiller	Chiller	Heat Pump	Heat Pump	Air-cooled split chiller	Air cooled split A/C	MUA with DX Cooling	MUA with DX Cooling
Make	MultiStack Airstack	MultiStack Airstack	York	York	Multistack Airstack	Trane	Engineered Air	Engineered Air
Model	ASR30X6C2A0	ASR20X6C2A1	B1CH090A58JSA	B1CH090A58JSA	MS020XN1C1A0ARC	TTA300FW00AA	FWA72/C/O	FWA92/C/O
Replaceable air filter sizes (if applicable)								
Serial number	AJ 03-037	AJ 03-018	NEWM274723	NEWM274722	AC 08-069	13171NDCTA	42292	42293
Capacity of system in (KW/Tons)	30t	20t	7.5t	7.5t	20t	25t	82,500 BTU	113,800 BTU
Voltage/ph	600 v/3 ph	600 v/3 ph	600 v/3 ph	600 v/3 ph	600 v/3 ph	600 v/3 ph	600 v/3 ph	600 v/3 ph
Type of refrigerant	R410A	R410A	R-22	R-22	R410A	R410A	R-22	R-22
Quantity of refrigerant	34.5	34.5	8.2	8.2	25.76	28.12	3.63	4.54
Date/year of manufacture	2010	2010	1989	1989	2013	2013	2007	2007
Physical location in institution of condensor.	North Mechanical Roof	North Mechanical Roof	Principle Entrance Roof	Principle Entrance Roof	South Mechanical Roof	GO Parking lot	Pod 1 Roof	Pod 1 Roof
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Rm 203 North Mechanical Room	Rm 203 North Mechanical Room	Principle Entrance Second Floor Ceiling	Principle Entrance First Floor Ceiling	Room KG207 South Mechanical room	Mechanical Room GO Building	Pod 1AHU3	Pod 1AHU4
Room number(s) this equipment serves	Healthcare	V/C, A&D	Second Floor PE	First Floor PE	Programs	Go Building	Admin	Programs
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required
*__Note:__ all units may require repairs at anytime.								

Kent Institution- Kent/Agassiz Cluster					*As and When Required Only* **Semi-Annual Preventative Maintenance and/or Ann**			
Equipment identification #	CC1	CC2	Module#1	Module #2	ACU-AB1	ACU-CD1	ACU-EF1	ACU-GH1
Description of equipment	Central Cooling A//C	Central Cooling A//C	Air cooled chiller	Air cooled chiller	Ducted Split A/C	Ducted Split A/C	Ducted Split A/C	Ducted Split A/C
Make	York	York	Airstack	Airstack	Carrier	Carrier	Carrier	Carrier
Model	ZH090C00P5AAA4B	ZH090C00P5AAA4B	ASP010XC11C2AS1AAASN	ASP015XC11C2AS1AAASN	38MAQB18-3	38MAQB18-3	38MAQB18-3	38MAQB18-3
Replaceable air filter sizes (if applicable)								
Serial number	N0B9597431	N0B9597432	A1-03-021	A1-03-022	1018V21134	1018V21088	1018V21085	1018V21084
Capacity of system in (KW/Tons)	7.5t	7.5t	10 TONS	15 TONS	18,000 BTU	18,000 BTU	18,000 BTU	18,000 BTU
Voltage/ph	600 v/3 ph	600 v/3 ph	600v/3ph	600v/3ph	208v/ 60hz/1 ph	208v/ 60hz/1 ph	208v/ 60hz/1 ph	208v/ 60hz/1 ph
Type of refrigerant	R410A	R410A	R410A	R410A	R410-A	R410-A	R410-A	R410-A
Quantity of refrigerant	7.6	7.6	9.53 kg	11.34KG	1.95	1.95	1.95	1.98
Date/year of manufacture	2009	2009	2018	2018	2017	2017	2017	2017
Physical location in institution of condensor.	West on the Communications Roof	East on the Communications Roof	Upper Roof top Pod 2	Upper Roof top Pod 2	Rooftop A/B	Rooftop C/D	Rooftop E/F	Rooftop G/H
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	AHU 2 North Mech Rm	AHU 2 North Mech Rm	Pod 2 mechanical room	Pod 2 mechanical room	Control post A/B-Tunnel	Control Posts C/D-Tunnel	Control Posts E/F-tunnel	Control Posts G/H-Tunnel
Room number(s) this equipment serves	Upper Admin	Lower Admin	Gunwalk/Control Post	Classrooms/Admin	Control Posts A/B	Control Posts C/D	Control Posts E/F	Control Posts G/H
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Kent Institution-
Kent/Agassiz Cluster

al Preventative Maintenance

Equipment identification #	ACU-PC1	Cooler 1	Cooler 2	Ice 1	ACU-W1	ACU-S1	ACU-S2	ACU-S3
Description of equipment	Water-cooled A/C	Reach-in Cooler	Reach-in Cooler	Ice Maker	Water cooled A/C	Roof top A/C	Roof top A/C	Roof top A/C
Make	KeepKool	TRUE	TRUE	Manitowoc	KeepKool	Trane	Trane	Trane
Model	KAC-015-V-4	T-43	T-43	SY0454A	KAC-012-V-4	BTA060DW00A0	BTA060DW00A0	BTA060DW00A1
Replaceable air filter sizes (if applicable)								
Serial number	91047035	7387884	7600249	110662100	91016612	B31282856	B31282852	B31282841
Capacity of system in (KW/Tons)	15,100 BTU	5,000	5,000	7,000 BTU	12,000 BTU	60,000 BTU	60,000 BTU	60,000 BTU
Voltage/ph	120v/ 60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	575/60hz/3ph	575/60hz/3ph	575/60hz/3ph
Type of refrigerant	R-22	R134-A	R134-A	R404-A	R22	R22	R22	R22
Quantity of refrigerant	0.6	0.26	0.26	0.6	0.62	4.62	4.62	4.62
Date/year of manufacture	1991	2012	2012	N/A	1991	1987	1987	1987
Physical location in institution of condensor.	PC118 - Programs	Q117 - Kitchen	Q117 - Kitchen	Q119- Kitchen	W106 Maintenance	Rooftop south building	Rooftop south building	Rooftop south building
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	PC118 - Programs	Q117 - Kitchen	Q117 - Kitchen	Q119 - Kitchen	W106 Maintenance	in ceiling of upper hallway	in ceiling of upper hallway	in ceiling of upper hallway
Room number(s) this equipment serves	Schedual/ Deployment	Q117 - Kitchen	Q117 - Kitchen	Q119 - Kitchen	Maintenance	upper programs	upper programs	upper programs
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Kent Institution-
Kent/Agassiz Cluster

Equipment identification #	ACU-S4	ACU-A1	ACU-A2	ACU-B1	ACU-B2	ACU-C1	ACU-C2	ACU-D1
Description of equipment	Roof top A/C	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C
Make	York	Carrier	Carrier	Carrier	Carrier	Carrier	Carrier	Carrier
Model	YCJD60S43S3A	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3
Replaceable air filter sizes (if applicable)								
Serial number	W1A2514689	O118V16763	O118V16758	O118V16759	O118V16760	O118V16682	O118V16681	O118V16684
Capacity of system in (KW/Tons)	60,000 BTU	12,000 BTU	12,000 BTU	12,000 BTU	12,000 BTU	12,000 BTU	12,000 BTU	12,000 BTU
Voltage/ph	208/60hz/3ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph
Type of refrigerant	R410-A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	2.44	1.5 kgs	1.5 kgs	1.5 kgs	1.5 kgs	1.5 kgs	1.5 kgs	1.5 kgs
Date/year of manufacture	2012	2017	2017	2017	2017	2017	2017	2017
Physical location in institution of condensor.	Rooftop south building	Rooftop A/B	Rooftop A/B	Rooftop A/B	Rooftop A/B	Rooftop C/D	Rooftop C/D	Rooftop C/D
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	in ceiling of upper hallway	LU A Office 104	LU A Office 104	LU B Office 104	LU B Office 104	LU C Office 104	LU C Office 104	LU D Office 104
Room number(s) this equipment serves	upper programs	LU A Office 104	LU A Office 104	LU B Office 104	LU B Office 104	LU C Office 104	LU C Office 104	LU D Office 104
Seasonal system (cooling season only) OR Year Round	Seasonal	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Kent Institution-
Kent/Agassiz Cluster

Equipment identification #	ACU-D2	ACU-E1	ACU-E2	ACU-F1
Description of equipment	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C	Ductless Split A/C
Make	Carrier	Carrier	Carrier	Carrier
Model	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3	38MAQB12R-3
Replaceable air filter sizes (if applicable)				
Serial number	O118V16685	0118V16765	0118V16768	0118V16762
Capacity of system in (KW/Tons)	12,000 BTU	12,000 BTU	12,000 BTU	12,000 BTU
Voltage/ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph	208/60hz/1ph
Type of refrigerant	R410A	R410A	R410A	R410A
Quantity of refrigerant	1.5 kgs	1.5 kgs	1.5 kgs	1.5 kgs
Date/year of manufacture	2017	2017	2017	2017
Physical location in institution of condensor.	Rooftop C/D	Rooftop E/F	Rooftop E/F	Rooftop E/F
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU D Office 104	LU E Office 104	LU E Office 104	LU F Office 104
Room number(s) this equipment serves	LU D Office 104	LU E Office 104	LU E Office 104	LU F Office 104
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.				

Mountain Institution- Kent/Agassiz Cluster	**Annual Preventative Maintenance Required-** (and "*As and When Required*" Semi-Annual Preventative Maintenance)							
Equipment identification #	ACU-A7	ACU-A6	D131 A/C-1	D131 A/C-2	HPO-E1	EC 36,38	EC 40,42	K-N13B
Description of equipment	Split A/C	Split A/C	Heat Pump	Split A/C	Heat Pump	Split A/C	Split A/C	Bakery Cooler
Make	Mitsubishi	Mitsubishi	Daikin	Daikin	Fujitzu	Mitsubishi	Mitsubishi	Copeland
Model	PUY-A24NHA4	PUY-A24NHA7	RXS36HVJU	RKS36LVJU	AOU24RLX	PUY-A42NHA2	PUY-A42NHA2	N/A
Replaceable air filter sizes (if applicable)	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	N/A
Serial number	03U02165B	6XU00439A	A001531	E010810	CTN002746	71U0024xx	71U00236B	N/A
Capacity of system in (KW/Tons)	24000 BTU	24000 BTU	35000 BTU	36000 BTU	22,200 BTU	42,000 BTU	42,000 BTU	2 Ton
Voltage/ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/3ph
Type of refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R404A
Quantity of refrigerant	3.01 kgs	3.49 kgs	2.8 kgs	2.8 kgs	1.90 kgs	4.54 kgs	4.54 kgs	N/A
Date/year of manufacture	2012	2016	2011	2011	2008	2008	2008	N/A
Physical location in institution of condensor.	Outside A2-21	Outside A2-21	Outside RM D131	Outside RM D131	Balcony outside RM E207	Balcony outside RM E207	Balcony outside RM E207	Rooftop Kitchen
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	IT CER	IT CER	Camera CER	Camera CER	MCCP	PE CER	PE CER	K-N13B
Room number(s) this equipment serves	A2-21	A2-21	D-131 Comms RM	D131 Comms RM	E108,110,113	E100-E106	E Second Floor	Bakery Cooler
Seasonal system (cooling season only) OR Year Round	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*__Note:__ all units may require repairs at anytime.								

Mountain Institution-
Kent/Agassiz Cluster

Equipment identification #	K-N13C	K-N3C	K-N4D	K-N5C	K-N5D	K-N5E	K-N7A	K-N7B
Description of equipment	Bakery freezer	Walk in Freezer	veg cooler	cooler	Walk in Freezer	Walk in Freezer	Walk in Cooler	Walk in Dairy Cooler
Make	Copeland	Keeprite	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland
Model	N/A	KEZA015H8-HT3B	N/A	N/A	N/A	N/A	N/A	N/A
Replaceable air filter sizes (if applicable)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Serial number	N/A	142307810	N/A	N/A	N/A	N/A	N/A	N/A
Capacity of system in (KW/Tons)	N/A	15700 BTU	2 Ton	5 Ton	N/A	N/A	2.5 Ton	N/A
Voltage/ph	208-230v/60hz/3ph	208-230v/60hz/3ph	208-230v/60hz/3ph	208-230v/60hz/3ph	208-230v/60hz/3ph	208-230v/60hz/3ph	208-230v/60hz/3ph	208-230v/60hz/3ph
Type of refrigerant	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A
Quantity of refrigerant	2.27 kgs	5.50 kgs	3.63 kgs	4.99 kgs	2.76 kgs	4.54 kgs	2.27 kgs	3.18 kgs
Date/year of manufacture	N/A	2014	N/A	N/A	N/A	N/A	N/A	N/A
Physical location in institution of condensor.	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	K-N13C	K-N3a Butcher Shop	K-N4D	K-N5C	K-N5a	K-N5a	K-N7A	K-N7B
Room number(s) this equipment serves	Bakery freezer	Meat Freezer	Salad Cooler	Cooks Cooler	Cooks Freezer	Cooks Freezer	Veggie	Dairy
Seasonal system (cooling season only) OR Year Round	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*__Note:__ all units may require repairs at anytime.								

Mountain Institution-
Kent/Agassiz Cluster

Equipment identification #	K-N8a	K-N8b	K-N8c	CU-6	ACC-A1	ACC-B1	ACC-C1	ACC-N1
Description of equipment	Milk Cooler	Milk Cooler	Milk Cooler	Split A/C	Mini split a/c	Mini-Split A/C	Mini-Split Heat Pump	Split A/C
Make	Silverking	Silverking	Silverking	Quietside	Fujitsu	Fujitsu	Fujitsu	Mitsubishi
Model	SKMAJ2	SKMAJ2	SKMAJ2	QSHC091	AOU9CQ	AOU9CQ	AOU12RLFW	PUY-A12NHA3
Replaceable air filter sizes (if applicable)	N/A	N/A	N/A	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type	fan coil has washable nylon mesh type
Serial number	NAJL00076A	NAJL00077A	NAJL00087A	QSHC0910310091923	BCN007151	BCN001939	KRN001037	09U03664D
Capacity of system in (KW/Tons)	N/A	N/A	N/A	9000 BTU	9700 BTU	9700 BTU	1 Ton	1 Ton
Voltage/ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph		208-230v/60hz/1ph
Type of refrigerant	R134A	R134A	R134A	R410A	R410A	R410A	R410A	R410A
Quantity of refrigerant	0.16 kgs	0.16 kgs	0.16 kgs	0.96 kgs	0.70 kgs	0.70 kgs	1.05 kgs	1.30 Kgs
Date/year of manufacture	N/A	N/A	N/A	2009	2008	2006	2011	2011
Physical location in institution of condensor.	K-N8 Servery	K-N8 Servery	K-N8 Servery	LU1 -Rooftop	LU 2 Rooftop	LU3 Rooftop	Roof top LU4	Rooftop N Building
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	K-N8 Servery	K-N8 Servery	K-N8 Servery	LU-1 CER RM TC-1	LU-2 CER RM 204	LU-3 CER RM 204	LU-4 CER RM 204	Corcan IT RM 7
Room number(s) this equipment serves	Milk fridge	Milk fridge	Milk fridge	Communication Equip	Communication Equip	Communication Equip	Communication Equip	Comms Room 07
Seasonal system (cooling season only) OR Year Round	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*__Note:__ all units may require repairs at anytime.								

Mountain Institution- Kent/Agassiz Cluster		**Annual Leak Test Required -** (and "*As and When Required* " Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance)					***As and When Required Only*** **Semi-Annua**	
Equipment identification #	K-N8d	CU-D1	CU-G1	ACC-A2	ACC-B2	ACC-C2	ACU-A1	ACU-A2
Description of equipment	Milk Cooler	DX	DX	DX	DX	DX	air conditioner	air conditioner
Make	Silverking	Carrier	Carrier	Carrier	Carrier	Carrier	Carrier	Carrier
Model	SKMAJ2	38AKS016-110	38AK-007-111	38AK-008-101	38AK-008-111	38AK-008-101	24ACB330A300	24ACB330A300
Replaceable air filter sizes (if applicable)								
Serial number	NAJL00089A	4198F75268	3599G00177	0598G00197	1000G00306	0598G00196	0211E16879	2410E24983
Capacity of system in (KW/Tons)	N/A	16 ton	7 tons	8 tons	8 Tons	8 Tons	30,000 btu	30,000 btu
Voltage/ph	115v/60hz/1ph	575v/60hz/3ph	575v/60hz/3ph	575v/60hz/3ph	575v/60hz/3ph	575v/60hz/3ph	208-230v/60hz/1ph	208-230v/60hz/1ph
Type of refrigerant	R134A	R-22	R-22	R-22	R-22	R22	R410A	R410A
Quantity of refrigerant	0.16 kgs	13.6 kgs	6.8 kgs	6.80 kgs	6.80 kgs	6.80 kgs	2.04 kgs	2.04 kgs
Date/year of manufacture	N/A	1998	1999	1998	2000	1998	2011	2010
Physical location in institution of condensor.	K-N8 Servery	Outside Entrance of D	Rooftop G	LU 2 Rooftop	LU3 Rooftop	Roof top LU4	Outside A1-4	Outside A1-4
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	K-N8 Servery	D200 Mech RM	Healthcare	LU-2 Mech RM 205 AHU-2	LU-3 Mech RM 205 AHU-2	LU-4 Mech RM 205 AHU-2	A1-4	A1-4
Room number(s) this equipment serves	Milk fridge	Building D	G140-G160	LU-2 Staff Areas	LU-3 Staff Areas	LU-4 Staff Areas	A1-1 to A1-13	A1-1 to A1-13
Seasonal system (cooling season only) OR Year Round	Yearly	Yearly	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	Critical-annual PM	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mountain Institution-
Kent/Agassiz Cluster

l Preventative Maintenance and/or Annual Preventative Maintenance

Equipment identification #	ACU-14	ACU-A3	ACU-A8	ACU-A5	ACU-A9	ACU-A10	ACU-12	ACU-A13
Description of equipment	Split A/C	air conditioner	air conditioner	Split A/C	Split A/C	Split central A/C	Split A/C	Split central A/C
Make	Nordyne (Maytag)	Ruud	Bryant	Mitsubishi	Bryant	Ducane	Bryant	Bryant
Model	DS4BD-036KA	14AJM30A01	593CJ048-B	MU15NN	593CJ030-B	AC10B24	N/A	593CJ048-C
Replaceable air filter sizes (if applicable)								
Serial number	DSD070200364	W231462158	2598E02436	7001279T	2198E24236	5452800447	0293V02031	4099E02092
Capacity of system in (KW/Tons)	36,000 btu	2.5 ton	48000 BTU	14600 BTU	30,000 BTU	2 Ton	N/A	48,000 BTU
Voltage/ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph
Type of refrigerant	R410A	R410A	R-22	R-22	R-22	R-22	R-22	R-22
Quantity of refrigerant	2.95 kgs	3.18 kgs	3.46 kgs	1.3 kgs	2.10 kgs	1.70 kgs	N/A	3.46 kgs
Date/year of manufacture	2007	2014	1998	1999	1998	2004	1993	1999
Physical location in institution of condensor.	Outside A-19 Room2	Outside A2-27	Outside A2-17	Outside A2-23	Outside A2-14	Outside A2-4	Outside A3-28	Outside A21-1
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	A19 Room 6	A2-5	A2-44	A2-23	A2-14	A2-2	A3-28	A21-7
Room number(s) this equipment serves	Offices 8,9,10,13,14	A2-1 toA2-5,27,28	A2-20,34,17	A2-23	A2-12,13,15,16	A2-1	A3-28,30,33	A21
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
***Note:** all units may require repairs at anytime.								

Mountain Institution-
Kent/Agassiz Cluster

Equipment identification #	ACU-A11	CU-D2	CU-D3	ACU-E3	ACU-E4	CU-G30	CU-G40	ACU-H1
Description of equipment	Split A/C	Mini split a/c	split a/c	A/C	A/C	Split Heat Pump A/C	Split A/C	Split A/C
Make	Ruud	Fujitzu	Mitsubishi	Armstrong Air	Tempstar	Mitsubishi	Mitsubishi	Mitsubishi
Model	RA1624AJ1NB	AOU18CL	PUY-A12NHA	4SCU16LS124P-1	CAC030AKA5	MUZFH15NAH	PUY-A18NHA4	PUY-A12NHA
Replaceable air filter sizes (if applicable)								
Serial number	W141645384	DCN018872	64U00078C	1613F04953	E032328771	5000737T	4XU08333A	52U01035B
Capacity of system in (KW/Tons)	2Ton	18,000 BTU	1 ton	24000 BTU	30000 BTU	1.5 Tons	18000 BTU	12000 BTU
Voltage/ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph
Type of refrigerant	R410A	R410A	R410A	R410A	R-22	R-410A	R-410A	R-410A
Quantity of refrigerant	2.5 kgs	1.16 kgs	1.3 kgs	3.32 kg	2.10 kgs	1.60 kgs	1.70 kgs	1.30 kgs
Date/year of manufacture	2016	2009	2006	2013	2003	2015	2014	2006
Physical location in institution of condensor.	Outside A3-18	Outside Entrance of D	Outside A&D RM107	West Side of Building by Mech RM Doors	West Side of Building by Walkway	Rooftop G	Rooftop G	Outside RM H103
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	A3-18	D126	D101	Mech RM E5-7	Mech RM E5-12	Seg CER	Seg Control Post	H103
Room number(s) this equipment serves	A3	D126	D101	Staff North Offices	Staff south Offices	G132	G-CP100	H102,103,107
Seasonal system (cooling season only) OR Year Round	Seasonal	Yearly	Seasonal	Seasonal	Seasonal	Yearly	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mountain Institution-
Kent/Agassiz Cluster

Equipment identification #	ACU-J1	ACU-K1	ACU-K2	ACU-K3	ACU-K4	ICE-1	CU-1 (CP-1)	CU-2
Description of equipment	Split A/C	Split A/C	Split A/C	Split A/C	Split A/C	Ice Maker	Heat Pump	Heat Pump
Make	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	LG	Manitowa	Mitsubishi	Mitsubishi
Model	PUY-A12NHA	PUY-A12NHA	PUY-A12NHA	PUY-A12NHA4	LA12CPM	QY0214A	MXZ-3A30NA	MXZ-3A30NA
Replaceable air filter sizes (if applicable)								
Serial number	52U01034B	52U01039B	52U01092B	44U10104A	N/A	20162447	82901364A	82901355A
Capacity of system in (KW/Tons)	12000 BTU	12000 BTU	12000 BTU	1 ton	N/A	4,000 btu	30000 BTU	30000 BTU
Voltage/ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph
Type of refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R404A	R410A	R410A
Quantity of refrigerant	1.30 kgs	1.30 kgs	1.30 kgs	1.30 kgs	1 kgs	0.43kgs	3.49 kgs	3.49 kgs
Date/year of manufacture	2006	2006	2006	N/A	N/A	N/A	2008	2008
Physical location in institution of condensor.	Outside West Side of J RM 103	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Rooftop Kitchen	Room K-N5a	Outside LU 1 right of entry RM B20	Outside LU 1 left of entry RM C20
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	RM 103	K-N16a	K-N15a	K-P5a	K-P1a	Room K-N5a	AC-1,2,3 Rooms B-20,21,23	FC-6,5,4 Rooms C-20,21,23
Room number(s) this equipment serves	Staff Office RM 103	Chief Office	Staff Office	Comms Room	K-P1a	Ice Making Machine Room K-N5a	AC-1,2,3 Rooms B-20,21,23	Rooms C-20,21,23
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Yearly	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mountain Institution-
Kent/Agassiz Cluster

Equipment identification #	CU-3	CU-4	CU-5	ACC-N2	ACU-PFV1	ACU-PFV2	ACU-PFV3	ACU-W2
Description of equipment	Split A/C	Heat Pump	Heat Pump	Split A/C	Split A/C	Split A/C	Split A/C	Split A/C
Make	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Fujitsu	York	York	Lennox
Model	MUY-GE18NA	MXZ-3A30NA	MXZ-2A20NA	PUZ-A36NHA3	AQOU18RLB	AC018M1021A	AC018M1021A	XC13-030-230-01
Replaceable air filter sizes (if applicable)								
Serial number	2000758T	82901081A	7000002	93U00578B	FQN 023239	WBLM008371	WNKM005813	5806C27294
Capacity of system in (KW/Tons)	18000 BTU	30000 BTU	20000 BTU	3 Ton	18,000 BTU	18,000 BTU	18,000 BTU	30,000 BTU
Voltage/ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph
Type of refrigerant	R410A	R410A	R410A	R410A	R410A	R-22	R-22	R410A
Quantity of refrigerant	1.56 kgs	3.49 kgs	2.69 kgs	3.01 kgs	1.40 kgs	1.39 kgs	1.39 kgs	3.23 kgs
Date/year of manufacture	2013	2008	2007	2011	2018	2003	2003	2006
Physical location in institution of condensor.	Back of LU-1 left side beside RM A 20	Back of LU-1 right side beside RM D 20	Back of LU-1 right side beside RM D 20	Rooftop N Building	Behind PFV1 RM3	Behind PFV1 RM 3	Behind PFV3	Outside W5 North Side The one on the right
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	FC7 RM A-20	FC-10,9,8	RM D 20	Corcan office RM 3	PFV 1 Room 1	PFV 2 mech rm 6	PFV 3 mech rm 4	W5 Furnace Room Left Furnace
Room number(s) this equipment serves	RM A 20	RMS GO-2,3,4	RM D 20	Room 03	PFV 1	PFV 2	PFV 3	East Offices
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Chilliwack Community Correctional Centre- Kent/Agassiz Cluster	**Annual Preventative Maintenance Required-** (and "*As and When Required*" Semi-Annual Preventative Maintenance)			***As and When Required Only*** **Semi-Annual Preventative Maintenance and/or Annual Preventative**				
Equipment identification #	AC-3	AC-6	FR#1	AC-1	AC-2	AC-4	AC-5	HP 1
Description of equipment	Split system	Split system	Walk in Freezer	Split system	Split system	Split system	Split system	Split system heat pump
Make	Mitsubishi	Mitsubishi	Heat Craft	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model	MUM 18NW	PUY-A24NHA3	LHT 005 H2B	MUM 18NW	MUM 18NW	MUM 18NW	MUM 18NW	PUZ-A18NHA
Replaceable air filter sizes (if applicable)	washable nylon mesh	washable nylon mesh	N/A					
Serial number	369011A	O6UO3661C	T131311311	36900952A	36901056A	36901013A	3003611T	Not available
Capacity of system in (KW/Tons)	5.0 Kw	7.0 kw	0.106 tons	5.0 Kw	5.0 Kw	5.0 Kw	5.0 Kw	5.9kw heating/ 5.3kw cooling
Voltage/ph	208-230v/60hz/1ph	208-230v/60hz/1ph	115v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph	208-230v/60hz/1ph
Type of refrigerant	R22	R410A	R-22	R22	R22	R22	R22	R410A
Quantity of refrigerant	3 lbs 12oz	6lbs 10oz	7lbs	3 lbs 12oz	3 lbs 12oz	3 lbs 12oz	3 lbs	3 lbs 12oz
Date/year of manufacture	2004	2011		2004	2004	2004	2004	2007
Physical location in institution of condensor.	Outside Room 103	Outside room # 127	outside room 119	Outside Hall H100 North wall	Outside Hall H100 North wall	Outside Room 110	Outside Room 111	outside room 117
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Two indoor coils FC-5 and FC-6 model MSO9NW capacity 2.5kw,115v / 1ph, rooms 103 and 104	Indoor coil FC-10 model PKA-A24KA capacity 120v 1ph room 127	Larkin model # LCV640AB, inside room #CL	Two indoor coils FC-1 and FC-2 model MSO9NW capacity 2.5kw,115v / 1ph, rooms 113 and 114	Two indoor coils FC-3 and FC-4 model MSO9NW capacity 2.5kw,115v / 1ph, rooms 115 and 116	Two indoor coils FC-7 and FC-8 model MSO9NW capacity 2.5kw,115v / 1ph, rooms 107 and 110	Indoor coil FC-9 model MSO9NW capacity 2.5kw,115v / 1ph, room 111	model PLA-A18AA room 117
Room number(s) this equipment serves	103 and 104	127- lan room	Room CL	113 and 114	115 and 116	107 and 110	111	117
Seasonal system (cooling season only) OR Year Round	seasonal	year round	year round	seasonal	seasonal	seasonal	seasonal	year round
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Chilliwack Community Correctional Centre- Kent/Agassiz Cluster	**Maintenance**
Equipment identification #	HP 2
Description of equipment	Split system heat pump
Make	Mitsubishi
Model	MUZ-A09NA
Replaceable air filter sizes (if applicable)	
Serial number	Not available
Capacity of system in (KW/Tons)	3.7kw heating/ 1.5kw cooling
Voltage/ph	208-230v/60hz/1ph
Type of refrigerant	R410A
Quantity of refrigerant	2 lbs
Date/year of manufacture	2007
Physical location in institution of condensor.	outside room 120
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	model MSZ-A09NA room120
Room number(s) this equipment serves	120
Seasonal system (cooling season only) OR Year Round	year round
Preventative Maintenance services/tests	*as and when required*
*__Note:__ all units may require repairs at anytime.	

Mission Medium Institution- Mission Cluster	**Annual Preventative Maintenance Required-** (and "*As and When Required* " Semi-Annual Preventative Maintenance)							
Equipment identification #	RTU-1	RTU-2	L9	CU-1	RTU4	CU-1	ACC-1	ACC-2
Description of equipment	Packaged RTU L4	Packaged RTU L5	Split L9	Split S1	Packaged S3	Split S11	Split S12	Split S13
Make	Carrier	Carrier	Rheem	Samsung	Carrier	Samsung	Mitsubishi	Mitsubishi
Model	50TC-A07A2A5A0B0A0	50TC-A07A2A5A0B0A0	RAWE-150YAZ	AQV18NSDX	50ES-036-501	AQV18NSDXKCV	PUY-A36NHA4	PUY-A36NHA4
Replaceable air filter sizes (if applicable)	Bulk Media Roll 2"x24"x24"	Bulk Media Roll 2"x24"x 24"	Media 2"x24"x100' 24x20x15 quantity-6	N/A	20x12x1 quantity-2	N/A	N/A	N/A
Serial number	1309G10236	1309G10235	669F130411056	YOZ4PAEC300239J	1207G511068	YOZ4PAEC30009	IZU05253A	17UO389OD
Capacity of system in (KW/Tons)	5.8 ton	5.8 ton	12.5 ton	1.5 Ton	2.83 Ton	1.5 Ton	2.85 Ton	2.85 Ton
Voltage/ph	208---230/3/60	208---230/3/60	Based on the Y in Model# 575-3-60	208V 1ph	208V 3ph	208V 1ph	208V 1ph	208V 1ph
Type of refrigerant	R-410A	R-410A	R-22	R-410A	R-410A	R-410A	R-410A	R-410A
Quantity of refrigerant	6.4 KG.	6.4 KG.	13.6 KG.	1.9 KG.	4.2 KG.	1.9 KG.	3.01 KG.	3.01 KG.
Date/year of manufacture	04-2009	04-2009	03-2004	Mar-12	03-2007	Unknown	2013	2011
Physical location in institution of condensor.	RTU1 Admin Roof A-W	RTU2 Admin Roof A-W	SD/Health Care Roof	K/GO CU-1	A/Admin Roof RTU4	P/GI West Pad CU	LU6 ACC-1	LU6 ACC-2
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	N/A	N/A	Building SD Mechanical Room D23	Building K Room 205	N/A	Building P Mechanical Room 116	LU6 Rooms 203,204	LU6 Rooms 203,204
Room number(s) this equipment serves	W209,W208,W204,W217	W209,W208,W204,W217	All Healthcare Unit "S"	Room 205	W202	116	203,204	203,204
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Seasonal	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster								**Annual Leak Test Re**
Equipment identification #	ACC-3	LU1-3	LU2-3	LU3-3	LU4-3	LU5-3	CU-R1	AHU-2
Description of equipment	Split S14	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Packaged	Split L1
Make	Trane	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Lennox	Rheem
Model	4TTB3018D1000AA	PUZ-A24NHA2	PUZ-A24NHA2	PUZ-A24NHA2	PUZ-A24NHA2	PUZ-A24NHA2	KHA024S4DN1P	RAWD151YAZ
Replaceable air filter sizes (if applicable)	N/A	12x12x1	12x12x1	12x12x1	12x12x1	12x12x1	16x20x2 quantity-4	
Serial number	11384MPS5F	71U00279B	71U00275B	71U00270B	71U00276B	84U00013C	5611F08922	6453F230608024
Capacity of system in (KW/Tons)	3 Ton	2 Ton	2 Ton	2 Ton	2 Ton	2 Ton	2 Ton	15 ton
Voltage/ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V	575
Type of refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-22
Quantity of refrigerant	2.24 KG.	2.72 KG.	2.72 KG.	2.72 KG.	2.72 KG.	2.72 KG.	5.67 KG.	15.9 KG.
Date/year of manufacture	2011	2007	2007	2007	2007	2008	06-2011	06-2006
Physical location in institution of condensor.	LU6 ACC-3	LU1 roof		LU3 roof	LU4 roof	LU5 roof	R/Armoury Rooftop	A/Admin Roof Remote Cond for AHU-2
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU6 Mechanical Room 205	LU1 Room L48	LU2 Room L48	LU3 Room L48	LU4 Room L48	LU5 Room L48	N/A	Building A Mechanical Room M246
Room number(s) this equipment serves	110,119	L48	L48	L48	L48	L48	9,010,011,012,013	M256-M259,M261-276,M242,M289,M244,M278,M292
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Annual leak Test required
***Note:** all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster

quired - (and "*As and When Required*" Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance)

Equipment identification #	ACC4	ACC1	RTU-104	AC1	ACC-1	#9	RTU-1	RTU-2
Description of equipment	Split L2	Split L3	Packaged RTU L6	Packaged RTU L7	Split L8	Blast chiller	Packaged RTU L4	Packaged RTU L5
Make	Engineered Air	Trane	Lennox	Engineered Air	Trane	Copeland	Carrier	Carrier
Model	CUEA83/0	TTA300FWOOAA	CHA11-953-1J	FWE62/K/O	TTA300FW00AA	FJAM-A225-CFV-001	50TC-A07A2A5A0B0A0	50TC-A07A2A5A0B0A0
Replaceable air filter sizes (if applicable)								
Serial number	48526 ACC-4	13171NC8TA	60C8402A	S49884 AC-1	13171NDATA	08F20737U	1309G10236	1309G10235
Capacity of system in (KW/Tons)	8 ton	25 ton	7.5 ton	6 ton	25 ton	20 Ton	5.8 ton	5.8 ton
Voltage/ph	208V 3 ph	Based on the W in Model# 575/60/3	575V 3ph	575V 3ph	Based on the W in Model# 575/60/3	208	208---230/3/60	208---230/3/60
Type of refrigerant	R-407C	R-410A	R-22	R-410A	R-410A	R404A	R-410A	R-410A
Quantity of refrigerant	10.56 KG.	28.12 KG.	7 KG.	4.54 KG.	28.12 KG.	6.35 KG.	6.4 KG.	6.4 KG.
Date/year of manufacture	04-2012	04-2013	1984	02-2013	04-2013	06-2008	04-2009	04-2009
Physical location in institution of condensor.	LU6 Roof	K/GO ACC-1 pad mounted next to service bay	A/104 Admin Roof A-K	Admin Roof A-P	P/GI West ACC-1	A/Kitchen blast chiller	RTU1 Admin Roof A-W	RTU2 Admin Roof A-W
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU6 Mechanical Room 205	Building K Mechanical Room 106	N/A	N/A	Building P Mechanical Room 111	Kitchen Blast Chiller #9	N/A	N/A
Room number(s) this equipment serves	101-109,116,117	All Building K	M280,M282,M283,M281M 284,M286,M287,M252,M2 51,M275	R02-R011	106,107,110,114,117,118,2 00,205,208-214,216	Kitchen Blast Chiller #9	W209,W208,W204,W217	W209,W208,W204,W217
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Year Round	Year Round	Year Round
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required	Annual leak Test required
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster		***As and When Required Only* Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance**						
Equipment identification #	L9	S2	RTU102	RTU101	#10	#11	#12	CU-A1
Description of equipment	Split L9	Split/Heat pump S2	Packaged S4	Packaged S5	Packaged S6	Packaged S7	Packaged S8	Split/Heat pump S9
Make	Rheem	Luxaire	Lennox	Lennox	York #10	York #11	York#12	Mitsubishi
Model	RAWE-150YAZ	HL3B042F1A	CHA16-513-5J	CHA16-513-5J	B1HH024A06B	B1HH024A06B	B1HH030A06B	MUY-GE15NA
Replaceable air filter sizes (if applicable)								
Serial number	669F130411056	WGNM081900	56980O1441	5699C07195	(S) NCNMO28815	(S) NCNM031176	(S) NCNM028812	1001083T
Capacity of system in (KW/Tons)	12.5 ton	3.5 Ton	3.55 Ton	4.46 Ton	2 Ton	1.5 Ton	2.5 Ton	1.17 Ton
Voltage/ph	Based on the Y in Model# 575-3-60	208V 1ph	575V 3ph	575V 3ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph
Type of refrigerant	R-22	R-410A	R-22	R-22	R-22	R-22	R-22	R-410A
Quantity of refrigerant	13.6 KG.	4.14 KG.	2.525 KG.	3.374 KG.	2.4097 KG.	2.4381 KG.	2.8633 KG.	1.165 KG.
Date/year of manufacture	03-2004	07-2004	1998	1999	03-2004	03-2004	03-2004	2011
Physical location in institution of condensor.	SD/Health Care Roof	R/Visitor Security	A/Admin Roof RTU102	A/Admin Roof RTU101	A/Admin Roof	A/Admin Roof	A/Admin Roof	A/Admin Roof
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Building SD Mechanical Room D23	Building R Reception 001C	N/A	N/A	N/A	N/A	N/A	Building A Room P221
Room number(s) this equipment serves	All Healthcare Unit "S"	001,001C	W210-W213,W221	W238	M241,M298	M266,M294,M295,M271	M266,M294,M295,M271	P221,P221a
Seasonal system (cooling season only) OR Year Round	Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	Annual leak Test required	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster

Equipment identification #	CU-A2	CU-M1	LU1-4	LU1-5	LU1-6	LU1-2	LU1-1	LU2-4
Description of equipment	Split/Heat pump S10	Split/Heat pump	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split
Make	Mitsubishi	Luxair	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model	MUZ-A15NA	HL3B024F1A	PUZ-A24NHA2	PUZ-A24NHA2	PUZ-A24NHA2	MUZ-A15NA	MUZ-A15NA	PUZ-A24NHA2
Replaceable air filter sizes (if applicable)								
Serial number	6000114 T	WON5598629	71U00269B	71U00268B	71U00273B	6000106T	6000098T	72U00460B
Capacity of system in (KW/Tons)	1.25 Ton	2 Ton	2 Ton	2 Ton	2 Ton	1.25 Ton	1.25 Ton	2 Ton
Voltage/ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph
Type of refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Quantity of refrigerant	1.1 KG.	3.46 KG.	2.72 KG.	2.72 KG.	2.72 KG.	1.1 KG.	1.1 KG.	2.72 KG.
Date/year of manufacture	2006	N/A	2007	2007	2007	2006	2006	2007
Physical location in institution of condensor.	A/Admin Roof	Works building M	LU1 roof	LU1 roof	LU1 roof	LU1 roof	LU1 roof	LU2 roof
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Building A Room P240	Building M Outside Room 220	LU1 Room L45	LU1 Room L30	LU1 Room L29	LU1 Room L49	LU1 Room L50	LU2 Room L45
Room number(s) this equipment serves	P240	220,218	L45	L30	L29	L49	L50	L45
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- **Mission Cluster**

Equipment identification #	LU2-5	LU2-6	LU2-2	LU2-1	LU3-4	LU3-5	LU3-6	LU3-2
Description of equipment	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split
Make	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model	PUZ-A24NHA2	PUZ-A24NHA2	MUZ-A15NA	MUZ-GE15NAH	PUZ-A24NHA2	PUZ-A24NHA2	PUZ-A24NHA2	MUZ-A15NA
Replaceable air filter sizes (if applicable)								
Serial number	73U00790B	71U00274B	6000101T	3000313T	84U00018C	84U00014C	71U00272B	6000096T
Capacity of system in (KW/Tons)	2 Ton	2 Ton	1.25 Ton	1.17 Ton	2 Ton	2 Ton	2 Ton	1.25 Ton
Voltage/ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph
Type of refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Quantity of refrigerant	2.72 KG.	2.72 KG.	1.1 KG.	1.116 KG.	2.72 KG.	2.72 KG.	2.72 KG.	1.1 KG.
Date/year of manufacture	2007	2007	2006	2003	2008	2008	2007	2006
Physical location in institution of condensor.	LU2 roof	LU2 roof	LU2 roof	LU2 roof	LU3 roof	LU3 roof	LU3 roof	LU3 roof
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU2 Room L30	LU2 Room L29	LU2 Room L49	LU2 Room L50	LU3 Room L45	LU3 Room L30	LU3 Room L29	LU3 Room L49
Room number(s) this equipment serves	L30	L29	L49	L50	L45	L30	L29	L49
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster

Equipment identification #	LU3-1	LU4-4	LU4-5	LU4-6	LU4-2	LU4-1	LU5-4	LU5-5
Description of equipment	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split	Ductless split
Make	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model	MUZ-A15NA	PUZ-A24NHA2	PUZ-A24NHA2	PUZ-A24NHA2	MUZ-A12NA	MUZ-A12NA	PUZ-A24NHA2	PUZ-A24NHA2
Replaceable air filter sizes (if applicable)								
Serial number	6000103T	71U00278B	71U00271B	71U00277B	6000163T	6000166T	72U00117A	84U00016C
Capacity of system in (KW/Tons)	1.25 Ton	2 Ton	2 Ton	2 Ton	1 Ton	1 Ton	2 Ton	2 Ton
Voltage/ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph
Type of refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Quantity of refrigerant	1.1 KG.	2.72 KG.	2.72 KG.	2.72 KG.	0.907 KG.	0.907 KG.	2.72 KG.	2.72 KG.
Date/year of manufacture	2006	2007	2007	2007	2006	2006	2007	2008
Physical location in institution of condensor.	LU3 roof	LU4 roof	LU4 roof	LU4 roof	LU4 roof	LU4 roof	LU5 roof	LU5 roof
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU3 Room L50	LU4 Room L45	LU4 Room L30	LU4 Room L29	LU4 Room L49	LU4 Room L50	LU5 Room L45	LU5 Room L30
Room number(s) this equipment serves	L50	L45	L30	L29	L49	L50	L45	L30
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster

Equipment identification #	LU5-6	LU5-2	LU5-1	CU-M2	CU-M3	CU-W	#1	#2
Description of equipment	Ductless split	Ductless split	Ductless split	Split/Heat Pump	Split/Heat Pump	Split/Heat Pump	Cooler	Freezer
Make	Mitsubishi	Mitsubishi	Mitsubishi	Luxaire	Luxaire	Looks like "Direct Air"	Heatcraft - Bohn	Heatcraft - Bohn
Model	PUZ-A24NHA2	MUZ-A15NA	MUZ-A12NA	HL3B030F1A	HL3B030F1A	ACSD-024	BHT010X6B	BHTO32X6C
Replaceable air filter sizes (if applicable)								
Serial number	84U00015C	6000123T	6000171T	WON5593930	WON5593914	4109006-0	TI2M08173	T12M05626
Capacity of system in (KW/Tons)	2 Ton	1.25 Ton	1 Ton	3 Ton	3 Ton	3 Ton	0.8 Ton	2.5 Ton
Voltage/ph	208V 1ph	208V 1ph	208V 1ph	208V 1ph	208V	208V	208	208
Type of refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-22	R 404A	R 404A
Quantity of refrigerant	2.72 KG.	1.1 KG.	0.907 KG.	7.9 KG.	3.43 KG.	3.43 KG.	2.5 KG.	9.1 KG.
Date/year of manufacture	2008	2006	2006	2005	2005	Unknown	2012	2012
Physical location in institution of condensor.	LU5 roof	LU5 roof	LU5 roof	Corcan Office Outside Building M	ISS Office Outside Building M	Outside PWGSC Trailer	A/Kitchen cooler #1	A/Kitchen freezer #2
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU5 Room L29	LU5 Room L49	LU5 Room L50	Building M Corridor 202 Ceiling	Building M Corridor 202 Ceiling	Building W Furnace Closet by 106	Kitchen Cooler #1	Kitchen Freezer #2
Room number(s) this equipment serves	L29	L49	L50	201-204,204c	206,207,209a,209b	All Building W	Kitchen Cooler #1	Kitchen Freezer #2
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Year Round	Year Round
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
***Note:** all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster

Equipment identification #	#3	#4	#5	#6	#8	#7	CU-A3	CU-A4
Description of equipment	Cooler	Cooler	Cooler	Freezer	Cooler	Freezer	Ductless split	Ductless split
Make	Heatcraft - Bohn	Heatcraft - Bohn	Heatcraft - Bohn	Heatcraft - Bohn	Heatcraft - Bohn	Keeprite	ICP	Mitsubishi
Model	BHT015X6B	BHT010X6B	BHT010X6B	BHT030X6C	BHT010H6C	KEZA010H8-HT3B	HMH018KDD1	MUZ-A15NA
Replaceable air filter sizes (if applicable)								
Serial number	T13A0M19	T12M08174	T12L10579	T13B11109	T12D13912	14230768G	511KABF00093	6000097
Capacity of system in (KW/Tons)	1.25 Ton	0.8 Ton	0.8 Ton	2.5 Ton	0.8 Ton	0.98 Ton	1.5 Ton	1.25 Ton
Voltage/ph	208	208	208	208	208	208V 3ph	208/230 1 ph	208/230 1 ph
Type of refrigerant	R 404A	R 404A	R404A	R404A	R404A	R404A	R22	R410A
Quantity of refrigerant	4.1 KG.	3.63 KG.	2.5 KG.	8.16 KG.	4.08 KG.	5.5 KG.	.779 KG./27.5oz	1.1 KG/2.4375lb
Date/year of manufacture	2013	2012	2012	2013	2012	2014	Unknown	2006
Physical location in institution of condensor.	A/Kitchen cooler #3	A/Kitchen cooler #4	A/Kitchen cooler #5	A/Kitchen Freezer #6	A/Kitchen meat prep #8	A/Kitchen freezer #7	Admin lower roof A-K	Admin lower roof A-K
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Kitchen Cooler #3	Kitchen Cooler #4	Kitchen Cooler #5	Kitchen Freezer #6	Kitchen Cooler #8	Kitchen Freezer #7	Building A Room K110,K109	Building A Room K113
Room number(s) this equipment serves	Kitchen Cooler #3	Kitchen Cooler #4	Kitchen Cooler #5	Kitchen Freezer #6	Kitchen Cooler #8	Kitchen Freezer #7	K110,K109	K113
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mission Medium Institution- Mission Cluster		
Equipment identification #	CU-A5	no info
Description of equipment	Ductless split	Ductless split
Make	LG	LG
Model	LSN090HSV4 (evap u)	LSN090HSV4 (evap u)
Replaceable air filter sizes (if applicable)		
Serial number	605KABF20669,	605KABF20669,
Capacity of system in (KW/Tons)	1-2 ton	1-2 ton
Voltage/ph	208V 1ph	
Type of refrigerant	R404A	R404A
Quantity of refrigerant	1.77 KG.	1.77 KG.
Date/year of manufacture	2006	
Physical location in institution of condensor.	Admin lower roof A-K	Admin lower roof A-K
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Building A Room 280,282	Admin Building CM Office
Room number(s) this equipment serves	M280,M282	
Seasonal system (cooling season only) OR Year Round	Seasonal	
Preventative Maintenance services/tests	*as and when required*	*as and when required*
***Note:** all units may require repairs at anytime.		

Mission Minimum Institution- Mission Cluster	Annual Preventative Maintenance Required- (and "*As and When Required*" Semi-Annual Preventative Maintenance)							Annual Leak Test Required Annual Preventative Maintenance)
Equipment identification #	AC3	CU3	CU2	AC7	AC6	CU20	CU1	AC3
Description of equipment	Packaged Rooftop AC	Nominal Split Evaporator MiniMate2	Nominal Split Evaporator MiniMate2	Cooling only single zone condensor	Cooling only single zone condensor	Bldg cooling coil/Condensor unit	50 Man LU24 CU1	Packaged Rooftop AC
Make	Trane	Liebert	Liebert	Mistubishi	Mistubishi	Carrier	Panasonic	Trane
Model	YSC072FWRLA 01DOE000060000	PFH037A-YL7	PFH037A-YL7	PUY-A30NHA4	PUY-A30NHA4	38CKC030340	CU-S12NKUA	YSC072FWRLA 01DOE000060000
Replaceable air filter sizes (if applicable)	none	none	none	1-20 X20 X4/in LAN room	1-20 X 20 X 4 / in LAN	1- 14 X20 X 1 / furnace	N/A	
Serial number	122810875L	1009N195285	1009N195291	1YU01815A	19U0149OD	2402E34889	6853001836	122810875L
Capacity of system in (KW/Tons)	6 Ton	37000btu/3.08t	37000btu/3.08t	30000btu/2.5t	30000btu/2.5t	30000btu/2.5 Ton	1 ton	6 Ton
Voltage/ph	600/3 ph (575V actual)	208-230/3 ph	208-230/3 ph	208-230/1ph	208-230/1ph	208-230/1ph	208-230/1 ph	600/3 ph (575V actual)
Type of refrigerant	R-410A	R407C	R407C	R410A	R410A	R-22	R410A	R-410A
Quantity of refrigerant	6.18 kg	6.04 kg	6.04 kg	3 kg	3 kg	1.93 kg	0.96 kg	6.18 kg
Date/year of manufacture	2012	2010	2010	2010	2010	2002	2012	2012
Physical location in institution of condensor.	Administration Building No. 1 AC3	Administration Building No. 1 Admin-CER	Administration Building No. 1 Admin-CER	Administration Building No. 1 Admin-IT	Administration Building No. 1 Admin-IT	Health Care Bldg 20	50 Man LU24 CU1	Administration Building No. 1 AC3
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Roof-Administration Building No. 1 AC3	Roof-Administration Building No. 1	Roof-Administration Building No. 1	Roof-Administration Building No. 1	Roof-Administration Building No. 1	Condensing unit front of building	Rm 009 Communications	Roof-Administration Building No. 1 AC3
Room number(s) this equipment serves	32-33-42-44-45-46-47-50	35A	35A	25	25	Building	Rm 009 Communications	32-33-42-44-45-46-47-50
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Year Round	Seasonal	Year Round	Year Round
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Annual leak Test required
*__Note:__ all units may require repairs at anytime.								

Mission Minimum Institution- Mission Cluster	- (and "*As and When Required*" Semi-Annual Preventative Maintenance and/or			***As and When Required Only* Semi-Annual Preventative Maintenance and/or Annual Preventative Mai**				
Equipment identification #	CU2	CU1	AC1	AC5	AC4	CU24	CU23	CU34
Description of equipment	Split Roof AC Ground CU	Split Roof AC Ground CU	DX Packaged Rooftop AC	Mini-Split (Unit is discontinued)	Packaged Rooftop AC	Bldg cooling coil/Condensor unit	Bldg cooling coil/Condensor unit	Mini-split
Make	Trane	Trane	Engineered Air	Samsung	Trane	Bryant	Payne	Mistubishi Mr Slim
Model	TTA120DWOOAA	TTA120EWOOAA	FWE143/C/O	UH105CAV	YSCO36EWRLA IFDOE 000060000 B	590ANS024000AAAA	PA13NA036-E	MSH09TW MUH09TW
Replaceable air filter sizes (if applicable)								
Serial number	122027UGYA	12395LBLYA	50192-V19432	DB98-29427B	122611521L	4989EO3489	0417X91507	3000035
Capacity of system in (KW/Tons)	10 Ton	10 Ton	14 Ton	3 Ton	3 Ton	24000btu/2 Ton	36 000 btu/3 Ton	8800 btu/h
Voltage/ph	600/3 ph (575V actual)	600/3 ph (575V actual)	600/3 ph (586V actual)	208-230/1ph	600/3 ph (575V actual)	208-230/1ph	208-230/1ph	208-230/1ph
Type of refrigerant	R-410A	R-410A	R-410A	R410A	R410A	R-22	R410A	R-22
Quantity of refrigerant	20 kg	14.43 kg	10.9 kg	2.81 kg	2.72 kg	1.42 kg	2.12 kg	0.99 kg
Date/year of manufacture	05/2012	09/2012	Man 13/10/09 Comissioned 14/06/06	2012	2012	1989	Installed 2017	2012
Physical location in institution of condensor.	Administration Building No. 1 CU2	Administration Building No. 1 CU1	50 Man LU24 Rooftop	Administration Building No. 1 Admin-Duty	Administration Building No. 1 Duty Office AC4	Bldg 24 NPB Boardroom	Bldg 23 Chapel	Bldg 34 Garage
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Roof-Administration Building No. 1 AC2-Condensing unit on south ground behind building	Roof-Administration Building No. 1 AC1-Condensing unit on south ground behind building	LU24 Rooftop	Roof-Administration Building No. 1	Roof-Administration Building No. 1 AC4	Condensing unit front of building	Condensing unit front of building	Condensing unit behind garage, outside wall, 15 feet above ground
Room number(s) this equipment serves	1-2-3-4-5-6-7-12-13-14-15-16-17-20-21-22-23-26-27-28	18-18A-29-31	206-207-208-209-210-211-212-213-214-215-216-217-218	Rm 42 Correctional Manager	51-52	Building	Building	Bldg 34 Garage Supervisor Office
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	Annual leak Test required	Annual leak Test required	Annual leak Test required	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note:__ all units may require repairs at anytime.								

Mission Minimum Institution- Mission Cluster

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Equipment identification #	CU7	CU3	CU4
Description of equipment	50 Man LU24 CU7	50 Man LU24 CU3	50 Man LU24 CU4
Make	Guardian	YORK	YORK
Model	GCGD36S41S3A	YCJF30S41S1A	YCJF30S41S1A
Replaceable air filter sizes (if applicable)			
Serial number	W1D3670533	W1G5875428	W1G5820119
Capacity of system in (KW/Tons)	3 ton	2.5 ton	2.5 ton
Voltage/ph	208-230/1ph	208-230/1ph	208-230/1ph
Type of refrigerant	R410A	R410A	R410A
Quantity of refrigerant	2.07 kg	1.81 kg	1.81 kg
Date/year of manufacture	2012	Installed 2016	Installed 2016
Physical location in institution of condensor.	50 Man LU24 CU7	50 Man LU24 CU3	50 Man LU24 CU4
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	LU24 Rooftop	Eng. Air unit ventilators x 1 inside room 001- condensing unit ground- outside of room southside	Eng. Air unit ventilators x 1 inside room 001- Condensing unit ground- outside of room southside
Room number(s) this equipment serves	Rm 116 Canteen	Rm 001 Facilities Management	Rm 001 Facilities Management
Seasonal system (cooling season only) OR Year Round	Year round	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*
*Note: all units may require repairs at anytime.			

KHV Institution- Mission Cluster	Annual Preventative Maintenance Required- (and "*As and When Required*" Semi-Annual Preventative Maintenance)				Annual Leak Test Required - (and "*As and When Required*" Semi-Annual Preventative Maintenance and/or Annual Preventative Maintenance)		*As and When Required Only* Semi-Annu	
Equipment identification #	CU 4a	CU 4b	CU 5a	CU 5b	CU2	CU3	CU 6	CU A1
Description of equipment	Split DX system	Split DX system	Split DX system	Split DX system	Packaged Rooftop	Packaged Rooftop	Ductless split	Split System
Make	Liebert	Liebert	Liebert	Liebert	Engineered Air	Engineered Air	Mitsubishi	Trane
Model	PFH037A-YL7	PFH037A-YL7	PFH037A-YL7	PFH037A-YL7	CUEA82/0	CUB223/0	PUY-A12NHA6	4TTB3030D
Replaceable air filter sizes (if applicable)	none	none	none	none				
Serial number	Y12EG15481	Y12EG15478	Y12EG15482	Y12EG15480	S48782 CU2	S48782 CU3	56U03658C	10443TEP3F
Capacity of system in (KW/Tons)	3 Ton	3 Ton	3 Ton	3 Ton	8 Ton	22 Ton	1 Ton	2.5 Ton
Voltage/ph	208-230V/3ph/60Hz	208-230V/3ph/60Hz	208-230V/3ph/60Hz	208-230V/3ph/60Hz	208V 3ph	208V 3ph	208-230v/1ph	208V /1ph
Type of refrigerant	R-407C	R-407C	R-407C	R-407C	R410A	R410A	R410A	R410A
Quantity of refrigerant	213 oz	213 oz	213 oz	213 oz	Total	3 @ 15lb 4oz 45lb 12oz Total	2lbs ,14oz	2.32kg
Date/year of manufacture	2012	2012	2012	2012	2012	2012	Jun-15	2010
Physical location in institution of condensor.	Building B Rooftop	Building B Rooftop	Building B Rooftop	Building B Rooftop	Building B Rooftop	Building B Rooftop	Building B Rooftop	Building A South Pad
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Room 2112	Room 2112	Room 2109	Room 2109	Building B Room 2300	Building B Room 2300	Room 2105	Building A Mech Room 118
Room number(s) this equipment serves	B 2112 Server rm	B 2112 server rm	B 2111 CER	B 2111 CER	1809,1102,1103,1101,1104,1406, 1600,2120	1707,1706,1705,1704,1700,1702,1701,1500,1502,1504,1503,1403,1401,1 301,1300,1200,1202,1203,1105,1902 ,2100,2101,2102,2103,2104,2106 ,21 23,2107,2108,2114,2119	B2105 SIO Computers	Rooms 210,211
Seasonal system (cooling season only) OR Year Round	Year Round	Year Round	Year Round	Year Round	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	Critical-annual PM	Critical-annual PM	Critical-annual PM	Critical-annual PM	Annual leak Test required	Annual leak Test required	*as and when required*	*as and when required*
*__Note__: all units may require repairs at anytime.								

KHV Institution- Mission Cluster	al Preventative Maintenance and/or Annual Preventative Maintenance				
Equipment identification #	CU A2	CU A3	CU1	CU 13a	CU13b
Description of equipment	Split System	Split System	Packaged Rooftop	Split System	Split System
Make	Trane	Trane	Engineered Air	Bryant	Bryant
Model	4TTB3030D	4TTB3030D	CUEA52/0	593CJ030-B	593CJ030-B
Replaceable air filter sizes (if applicable)					
Serial number	10443TF63F	10443TEL3F	S48782 CU1	1197E20509	1197E20517
Capacity of system in (KW /Tons)	2.5 Ton	2.5 Ton	5 Ton	30000 BTU/2.5 Ton	30000 BTU/2.5 Ton
Voltage/ph	208V /1ph	208V /1ph	208V 3ph	208V/1ph	208V/1ph
Type of refrigerant	R410A	R410A	R410A	R22	R22
Quantity of refrigerant	2.32kg	2.32kg	12oz Total	2.10kg	2.10kg
Date/year of manufacture	2010	2010	2012	1997	1997
Physical location in institution of condensor.	Building A South Pad	Building A South Pad	Building B Rooftop	Building 13 East Pad	Building 13 East Pad
Physical location in institution of evap/indoor coil(s). In the event of one package unit put location in this row and note as such.	Building A Mech Room 118	Building A Mech Room 118	Building B Room 2300	Building 13 Room 110	Building 13 Room 110
Room number(s) this equipment serves	Rooms 203,205	Rooms 109,110,114	1800,1801,1802,1803,1804, 1805,1814,1813	Rooms 102,103,104	Room 101
Seasonal system (cooling season only) OR Year Round	Seasonal	Seasonal	Seasonal	Seasonal	Seasonal
Preventative Maintenance services/tests	*as and when required*	*as and when required*	*as and when required*	*as and when required*	*as and when required*
*__Note__: all units may require repairs at anytime.					

ANNEX B –Proposed Basis of Payment

1.0 Contract Period

i. The Contractor will be paid in accordance with the following Basis of Payment for Work performed pursuant to this Contract.

ii. For the provision of services as described in Annex A - Statement of Work, the Contractor will be paid the all inclusive firm per rate(s) below in the performance of this Contract for Mandatory Annual Preventative Maintenance and Mandatory Annual Leak Tests. Any cleaning chemicals or consumables (such as air filters) required to provide Annual Preventative Maintenance and Annual Leak Tests are to be included as part of this maintenance contract.

iii. For the provision of services described in Annex A – Statement of Work, the Contractor will be paid an hourly rate for Emergency and Non-Emergency Repair Services and Preventative Maintenance.

iv. If, during the performance of the Work, the Contractor encounters number(s) of devices that are substantially different from the numbers of devices listed in Appendix C supplied to the Contractor, the Contractor shall give notice to Canada immediately upon becoming

v. **Materials and Hourly Rates for Emergency and Non-Emergency Repair and As and When Required Semi-Annual/Annual Preventative Maintenance:**

- For the work described in Task 1.3.1 and 1.3.2 in the Statement of Work: Emergency, Non-Emergency Repair. The Contractor will be paid an (1) hour minimum call-out Labour Charge. This will also apply for Tasks 1.3.3 and 1.3.4 when the services are related to As and When Required Semi-Annual/Annual Preventative Maintenance. This does not apply to any Annual Mandatory Maintenance.

- The Contractor is to individually list parts, materials and consumable items as detailed in Task 1.3.1 and 1.3.2 and charge to CSC on a Maximum MSRP Rate. This will also apply for Tasks 1.3.3 and 1.3.4 when the services are related to an As and When Required Semi-Annual/Annual Preventative Maintenance.

vi. **Minor Component Repair:**

- All Minor Component Repairs will form part of this contract. A Minor Component Repair is up to a dollar value of $10,000.00 including Taxes. The contractor must receive approval from the Site Authority before proceeding with any repairs. The work must be discussed and approved upon before commencing.

- Major Component Repair totalling over $10,000.00 will be treated outside of this contract as a separate requirement and will no have no guarantees to the Contract Holder.

- The Contractor is to individually list parts, materials and consumable items as detailed in Task 1.3.1 and 1.3.2 and charge to CSC on a Maximum MSRP Rate. This will also apply for Tasks 1.3.3 and 1.3.4 when the services are related to an As and When Required Semi-Annual/Annual Preventative Maintenance.

Pricing for Service Delivery to Institutions (by Grouping)

Group A – Abbotsford

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Fraser Valley Institution – Mandatory Annual Preventative (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID# CU-A1 Equipment ID # CU-A2 Equipment ID # CU-A3 Equipment ID # CU-A4 Equipment ID # CU-E4 Equipment ID # CH-A1	LOT	$	$	$

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Fraser Valley Institution – Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # CU-2 Equipment ID # CU-1 Equipment ID # RTU-1 Equipment ID # CH-A1	LOT	$	$	$

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Matsqui Institution – Mandatory Annual Preventative (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # M2A-CU-4 Equipment ID # M2A-CU-2 Equipment ID # M2A-CU-5 Equipment ID # M2B-A/C-2 Equipment ID # M2B-CU-2	LOT	$	$	$

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Matsqui Institution – Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # A21-CU-103 Equipment ID # M1A-CU-1 Equipment ID # M3-CU-2 Equipment ID # M4-CU-4 Equipment ID # M5B-CU-4 Equipment ID # M13-CU-1A Equipment ID # M13-CU-18 Equipment ID # M15-AC-2 Equipment ID # M15-AC-3 Equipment ID # M15-AC-1 Equipment ID # M16-ACC5-AHU1	LOT	$	$	$

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Pacific Institution – Mandatory Annual Preventative (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # CU-F1 Equipment ID # CU-G3 Equipment ID # CU-G1 Equipment ID # CU-G2 Equipment ID # CU-G4 Equipment ID # CH-G1	LOT	$	$	$

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Pacific Institution – Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # CH-A1 Equipment ID # CH-B1 Equipment ID # CH-C1 Equipment ID # CH-D1 Equipment ID # CH-E1 Equipment ID # CH-F1 Equipment ID # CH-H1 Equipment ID # CH-Q1 Equipment ID # CU-101 Equipment ID # CH-W1 Equipment ID # CH-G1	LOT	$	$	$

Minor Component Repair *Repairs up to 10K Incl Taxes	Unit of Issue	Estimated Number of Hours	Year 1 Hourly Rate	Year 2 Hourly Rate	Year 3 Hourly Rate
Fraser Valley Institution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**50**	**$**	**$**	**$**
Fraser Valley Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**7**	**$**	**$**	**$**
Matsqui Intitution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**104**	**$**	**$**	**$**
Matsqui Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**10**	**$**	**$**	**$**

Pacific Institution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**83**	**$**	**$**	**$**
Pacific Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**9**	**$**	**$**	**$**
Total Allowance for Regional parts, material and consumables will be a maximum of $108,000 per contract year For Group A – Abbotsford		**Estimated Parts, Material and Consumables** **Year 1**	**Estimated Parts, Material and Consumables** **Year 2**	**Estimated Parts, Material and Consumables** **Year 3**	**Total Estimated Parts, Material and Consumables**
		$108,000	**$108,000**	**$108,000**	**$324,000.00**
				Total For Parts and Hours	**$ (To be Filled by Contracting Authority During Evaluation)**

Pricing for Service Delivery to Institutions (by Grouping)

Group B – Agassiz

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Kent Institution – Mandatory Annual Preventative Maintenance (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # ACU-N1 Equipment ID # ACU-N2 Equipment ID # 2 Equipment ID # 6 Equipment ID # 4 Equipment ID # 5 Equipment ID # 3 Equipment ID # 1 Equipment ID # F-1 Equipment ID # F-2 Equipment ID # ACU-N3 Equipment ID # ACU-N4 Equipment ID # ACU N5 Equipment ID # ACU-N6 Equipment ID # CC1 Equipment ID # CU-103 Equipment ID # CU-104 Equipment ID # Module#1 Equipment ID # ACU-P1-1 Equipment ID # ACU-P1-2 Equipment ID # ACU-P1-3 Equipment ID # ACU-P1-4 Equipment ID # CU-1 Equipment ID # CC2	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	YEAR 1 All Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Kent Institution – Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # 30 ton Equipment ID # 20 ton A Equipment ID # ACU PE1 Equipment ID # ACU PE2 Equipment ID # 20 ton B Equipment ID # CU-2 Equipment ID # DX-1 Equipment ID # DX-2 Equipment ID # CC1 Equipment ID # CC2 Equipment ID # Module#1 Equipment ID # Module#2	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Mountain Institution – Mandatory Annual Preventative Maintenance (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # ACU-A7 Equipment ID # ACU-A6 Equipment ID # D131 A/C-1 Equipment ID # D131 A/C-2 Equipment ID # HPO-E1 Equipment ID # EC 36,38 Equipment ID # EC 40,42 Equipment ID # K-N13B Equipment ID # K-N13C Equipment ID # K-N3C Equipment ID # K-N4D Equipment ID # K-N5C Equipment ID # K-N5D Equipment ID # K-N5E Equipment ID # K-N7A Equipment ID # K-N7B Equipment ID # K-N8a Equipment ID # K-N8b Equipment ID # CU-6 Equipment ID # ACC-A1 Equipment ID # ACC-B1 Equipment ID # ACC-C1 Equipment ID # ACC-N1 Equipment ID # K-N8d	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All Inclusive Firm Fixed Price	YEAR 3 All Inclusive Firm Fixed Price
Mountain Institution – Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # CU-D1 Equipment ID # CU-G1 Equipment ID # ACC-A2 Equipment ID # ACC-B2 Equipment ID # ACC-C2	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All-Inclusive Firm Fixed Price	YEAR 3 All-Inclusive Firm Fixed Price
Chilliwack Community Corrections – Mandatory Annual Preventative Maintenance **(equipment in red highlighted section in Appendix C)** **M-F (8:00AM – 5:00PM)** Equipment ID # AC-3 Equipment ID # AC-6 Equipment ID # FR#1	LOT	**$**	**$**	**$**

Minor Component Repair *Repairs up to 10K Incl Taxes	Unit of Issue	Estimated Number of Hours	Year 1 Hourly Rate	Year 2 Hourly Rate	Year 3 Hourly Rate
Kent Institution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**75**	**$**	**$**	**$**
Kent Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**20**	**$**	**$**	**$**
Mountain Institution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**80**	**$**	**$**	**$**
Mountain Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**24**	**$**	**$**	**$**

Chilliwack Community Corrections **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**26**	**$**	**$**	**$**
Chilliwack Community Corrections **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**4**	**$**	**$**	**$**
Total Allowance for Regional parts, material and consumables will be a maximum of $94,500 per contract year For Group B – Aggasiz		**Estimated Parts, Material and Consumables** **Year 1**	**Estimated Parts, Material and Consumables** **Year 2**	**Estimated Parts, Material and Consumables** **Year 3**	**Total Estimated Parts, Material and Consumables**
		$94,500	**$94,500**	**$94,500**	**$283,500**
				Total For Parts and Hours	**$ (To be Filled by Contracting Authority During Evaluation)**

Pricing for Service Delivery to Institutions (by Grouping)

GROUP C – MISSION

Site Name and Tasks Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All-Inclusive Firm Fixed Price	YEAR 3 All-Inclusive Firm Fixed Price
Mission Medium Institution – Mandatory Annual Preventative Maintenance (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # RTU-1 Equipment ID # RTU-2 Equipment ID # L9 Equipment ID # CU-9 Equipment ID # RTU4 Equipment ID # CU-1 Equipment ID # ACC-1 Equipment ID # ACC-2 Equipment ID # ACC-3 Equipment ID # LU1-3 Equipment ID # LU2-3 Equipment ID # LU3-3 Equipment ID # LU4-3 Equipment ID # LU5-3 Equipment ID # CU-R1	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All-Inclusive Firm Fixed Price	YEAR 3 All-Inclusive Firm Fixed Price
Mission Medium Institution- Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # AHU-2 Equipment ID # ACC4 Equipment ID # ACC1 Equipment ID # RTU-104 Equipment ID # AC1 Equipment ID # ACC-1 Equipment ID # 9 Equipment ID # RTU-1 Equipment ID # RTU-2 Equipment ID # L9	LOT	**$**	**$**	**$**

Site Name and Task Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All-Inclusive Firm Fixed Price	YEAR 3 All-Inclusive Firm Fixed Price
Mission Minimum – Mandatory Annual Preventative Maintenance (equipment in red highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # AC3 Equipment ID # CU3 Equipment ID # CU2 Equipment ID # AC7 Equipment ID # AC6 Equipment ID # CU20 Equipment ID # CU1	LOT	**$**	**$**	**$**

Site Name and Task Group	Unit of Issue	YEAR 1 All-Inclusive Firm Fixed Price	YEAR 2 All-Inclusive Firm Fixed Price	YEAR 3 All-Inclusive Firm Fixed Price
Mission Minimum –Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # AC3 Equipment ID # CU2 Equipment ID # CU1 Equipment ID # AC1	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	Year 1 All Inclusive Firm Fixed Price	Year 2 All Inclusive Firm Fixed Price	Year 3 All Inclusive Firm Fixed Price
Kwikwexwelhp – Mandatory Annual Preventative Maintenance **(equipment in red highlighted section in Appendix C)** **M-F (8:00AM – 5:00PM)** Equipment ID # CU 4a Equipment ID # CU 4b Equipment ID # CU 5a Equipment ID # CU 5b	LOT	**$**	**$**	**$**

Site Name and Tasks Group	Unit of Issue	Year 1 All Inclusive Firm Fixed Price	Year 2 All Inclusive Firm Fixed Price	Year 3 All Inclusive Firm Fixed Price
Kwikwexwelhp – Mandatory Annual Leak Test (equipment in green highlighted section in Appendix C) **M-F (8:00AM – 5:00PM)** Equipment ID # CU2 Equipment ID # CU3	LOT	**$**	**$**	**$**

Minor Component Repair *Repairs up to 10K Incl Taxes	Unit of Issue	Estimated Number of Hours	Year 1 Hourly Rate	Year 2 Hourly Rate	Year 3 Hourly Rate
Mission Medium Institution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**83**	**$**	**$**	**$**
Mission Medium Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**18**	**$**	**$**	**$**
Mission Minimum Institution **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**30**	**$**	**$**	**$**
Mission Minimum Institution **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**9**	**$**	**$**	**$**

Kwikwexwelhp **Hourly Repairs and Preventative Maintenance during normal working hours** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**26**	**$**	**$**	**$**
Kwikwexwelhp **Overtime hourly rate for Emergency Repairs during outside normal working hours** **Hours Outside:** **M-F (8:00AM – 5:00PM)** All Equipment Identified on APPENDIX C – Regional Equipment Inventory	**Per Hour**	**5**	**$**	**$**	**$**
Total Allowance for Regional parts, material and consumables will be a maximum of $67,500 per contract year For Group C – Mission		**Estimated Parts, Material and Consumables** **Year 1**	**Estimated Parts, Material and Consumables** **Year 1**	**Estimated Parts, Material and Consumables** **Year 1**	**Total Estimated Parts, Material and Consumables**
		$67,500	**$67,500**	**$67,500**	**$202,500**
				Total For Parts and Hours	**$ (To be Filled by Contracting Authority During Evaluation)**

3.0

Applicable Taxes

(a) All prices and amounts of money in the contract are exclusive of Applicable Taxes, unless otherwise indicated. Applicable Taxes are extra to the price herein and will be paid by Canada.

(b) The estimated Applicable Taxes of $ *To Be Inserted at Contract Award* are included in the total estimated cost shown on page 1 of this Contract. The estimated Applicable Taxes will be incorporated into all invoices and progress claims and shown as a separate item on invoices and progress claims. All items that are zero-rated, exempt, or to which taxes do not apply, are to be identified as such on all invoices. The Contractor agrees to remit to Canada Revenue Agency (CRA) any amounts of Applicable Taxes paid or due.

4.0 Electronic Payment of Invoices - Bid

Canada requests that Bidders complete option 1 or 2 below:

1. ( ) Electronic Payment Instruments will be accepted for payment of invoices.

The following Electronic Payment Instrument(s) are accepted:
( ) MasterCard Acquisition Card;
( ) Direct Deposit (Domestic and International).

2.( ) Electronic Payment Instruments will not be accepted for payment of invoices.

The Bidder is not obligated to accept payment by Electronic Payment Instruments.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criteria

Annex C Evaluation Criteria

1.0 Technical Evaluation:

1.1 The following elements of the proposal will be evaluated and scored in accordance with the following evaluation criteria.

- Mandatory Technical Criteria

It is <u>imperative</u> that the proposal <u>address each of these criteria</u> to demonstrate that the requirements are met.

1.2 LISTING EXPERIENCE WITHOUT PROVIDING ANY SUBSTANTIATING DATA TO SUPPORT WHERE, WHEN AND HOW SUCH EXPERIENCE WAS OBTAINED WILL RESULT IN THE STATED EXPERIENCE NOT BEING CONSIDERED FOR EVALUATION PURPOSES.

1.3 All experience must be strictly work-related. Time spent during education and/or training will not be considered, unless otherwise indicated.

1.4 Experience must be demonstrated through a history of past projects, either completed or on-going.

1.5 References must be provided for each project/employment experience.

I. Where the stated experience was acquired within a Canadian Federal Government Department or Agency **as a Public Servant**, the reference must be a Public Servant who had a supervisory role over the proposed resource during the stated employment.

II. Where the stated experience was acquired within a Canadian Federal Government Department or Agency **as a consultant**, the reference must be the Public Servant who was identified as the Project Authority of the project on which the proposed resource acquired the experience.

III. References must be presented in this format:

a. Name;
b. Organization;
c. Current Phone Number; and
d. Email address if available

1.6 Response Format

I. In order to facilitate evaluation of proposals, it is recommended that bidders' proposals address the mandatory criteria in the order in which they appear in the Evaluation Criteria and using the numbering outlined.

II. Bidders are also advised that the month(s) of experience listed for a project or experience whose timeframe overlaps that of another referenced project or experience will only be counted once. For example: Project 1 timeframe is July 2001 to December 2001; Project 2 timeframe is October 2001 to January 2002; the total months of experience for these two project references is seven (7) months.

III. For any requirements that specify a particular time period (e.g., 2 years) of work experience, CSC will disregard any information about experience if the technical bid does not include the required month and year for the start date and end date of the experience claimed.

IV. CSC will also only evaluate the duration that the resource actually worked on a project or projects (from the start date to end date), instead of the overall start and end date of a project or a combination of projects in which a resource has participated.

MANDATORY TECHNICAL CRITERIA - Regional HVAC-R Maintenance, Repair and Component/system replacement

#	Mandatory Technical Criteria	Bidder Response Description (include location in bid)	Met/Not Met
M1	Contractor must show proof of a valid Class REF contractors licence issued by Technical Safety BC		
M2	A Refrigeration and Air Conditioning Mechanic trade licence current and valid in the province of B.C.		
M3	An Environmental Awareness Certificate on Ozone Depleting Substances valid in the province of BC.		

ANNEX D

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit the Employment and Social Development Canada (ESDC) - Labour website.

Date:_____(YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

( ) A1. The Bidder certifies having no work force in Canada.

( ) A2. The Bidder certifies being a public sector employer.

( ) A3. The Bidder certifies being a federally regulated employer being subject to the *Employment Equity Act*.

( ) A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

( ) A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

( ) A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

( ) B1. The Bidder is not a Joint Venture.

OR

( ) B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)