



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

PWGSC/TPSGC Acquisitions Bid Receiving
Box/Boîte de Réception des Soumissions
Bid Receiving Box/Boîte de Récepti
1st Floor/1ière étage, Suite 1212
100-1045 Main Street
Moncton
New Brunswick
E1C 1H1
Bid Fax: (506) 851-6759

INVITATION TO TENDER

APPEL D'OFFRES

**Tender To: Public Works and Government Services
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 therefor.

**Soumission aux: Travaux Publics et Services
Gouvernementaux 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 annexes
ci-jointes, les biens, services et construction énumérés
ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

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

Issuing Office - Bureau de distribution

Acquisitions NB/PEI (Moncton Office) – Bureau
d'acquisitions N.-B./Î.-P.-É. (Moncton)
1045 Main Street / 1045, rue Main
Moncton
New Bruns
E1C 1H1

Title - Sujet Transformer Maintenance & Testing	
Solicitation No. - N° de l'invitation W6898-200451/A	Date 2019-11-07
Client Reference No. - N° de référence du client W6898-200451	GETS Ref. No. - N° de réf. de SEAG PW-\$MCT-033-5640
File No. - N° de dossier MCT-9-42060 (033)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-11-25	
Time Zone Fuseau horaire Atlantic Standard Time AST	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Young (MCT), Leesa	Buyer Id - Id de l'acheteur mct033
Telephone No. - N° de téléphone (506) 871-1716 ()	FAX No. - N° de FAX (506) 851-6759
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE 5 CDSB GAGETOWN BLDG 18, 238 CHAMPLAIN AVENUE OROMOCTO New Brunswick E2V4J5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

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ANNEX "D" to PART 3 OF THE BID SOLICITATION ELECTRONIC PAYMENT INSTRUMENTS

ANNEX "E" COMPLETE LIST OF EACH INDIVIDUAL WHO ARE CURRENTLY DIRECTORS AND/OR OWNERS OF THE BIDDER

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement applicable to the Contract.

1.2 Statement of Requirement

The work covered under this Service Contract comprises the furnishing of all labour, material, tools and equipment required to conduct annual preventative maintenance testing for specified transformers, and providing written reports of the testing as required for the transformer located at 5 CDSB Gagetown and Detachment Moncton, as specified herein.

The Service Contract will extend from April 01, 2020 to March 31, 2021, with two (2) one (1) year option periods. The services must be provided in accordance with the Specification attached at Annex "A".

1.3 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

"The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA)."

1.5 epost Connect service

"This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information."

PART 2 - BIDDER INSTRUCTIONS

2.1 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* (<https://buyandsell.gc.ca/policy-and-guidelines/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 (2019/03/04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
A0220T	Evaluation of Price - Bid	2014/06/26
C9000T	Pricing	2010/08/16

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in New Brunswick/Prince Edward Island (NB/PEI) the email address is:

TPSGC.RARceptionSoumisNBPE-ARBidReceivingNBPE.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Facsimile number: (506) 851-6759

PWGSC Acquisitions, Bid Receiving Box
1st Floor, Suite 1212
100-1045 Main Street
Moncton, NB E1C 1H1

Note: This is not a Public Opening

2.3 Former Public Servant

Former Public Servant - Competitive Bid

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 FPS, 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:

- a) an individual;
- b) an individual who has incorporated;
- c) a partnership made of former public servants; or
- d) 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 FPS in receipt of a pension, as applicable:

- a) name of former public servant;
- b) 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: 2012-2 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:

- a) name of former public servant;
- b) conditions of the lump sum payment incentive;
- c) date of termination of employment;
- d) amount of lump sum payment;
- e) rate of pay on which lump sum payment is based;
- f) period of lump sum payment including start date, end date and number of weeks;
- g) number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar 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.

2.5 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**.

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

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Financial Bid
Section II: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Financial Bid (1 hard copies)
Section III: Certifications (1 hard copies)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) 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 [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) 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, duotangs or binders.

Section I: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "D" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "D" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

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

Section II: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

Bids will be evaluated in accordance with the Evaluation Criteria and Basis of Selection specified in Annex "C" and Basis of Payment specified in Annex "B". Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

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 Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 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.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Statement of Requirement

Statement of Work - Contract

The Contractor must perform the Work in accordance with the Specification at Annex "A" and the Statement of Work at Annex "C".

6.3 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* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010C (2018/06/21), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The Work is to be performed during the period of April 1st, 2020 to March 31st, 2021.

6.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one (1) year period(s) under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least thirty (30) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

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File No. - N° du dossier
mct-9-42060

Buyer ID - Id de l'acheteur
MCT033
CCC No./N° CCC - FMS No./N° VME

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Leesa Young
Title: Supply Officer
Public Services and Procurement Canada
Acquisitions Branch
Address: 1045 Main Street, 4th Floor
Moncton, New Brunswick
E1C 1H1
Telephone: (506) 871-1716
Facsimile: (506) 851-6759
E-mail address: leesa.young@pwgsc-tpsgc.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.

6.5.2 Project Authority

The Project Authority for the Contract is:

Will be made available at time of award

Name:
Title:
Organization:
Address:

Telephone:
Facsimile:
E-mail address:

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.

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File No. - N° du dossier
mct-9-42060

Buyer ID - Id de l'acheteur
MCT033
CCC No./N° CCC - FMS No./N° VME

6.5.3 Contractor's Representative (Offeror please complete)

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail: _____

6.6 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: 2012-2 of the Treasury Board Secretariat of Canada.

6.7 Payment

6.7.1 Basis of Payment

Basis of Payment - Firm Unit Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex B. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.7.2 Limitation of price

SACC Manual clause [C6000C](#) (2017/08/17) Limitation of price

6.7.3 Payment

SACC Manual clause H1008C (2008/05/12), Monthly payment

6.7.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.8 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.9 Certifications and Additional Information

6.9.1 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.

6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**.

6.11 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 (2018/06/21), General Conditions - Services (Medium Complexity);
- (c) Annex A, Specifications
- (d) Annex B, Basis of payment
- (e) Any Amendment issued or any allowable bid revision received before the date and time set for Solicitation closing;
- (f) the Contractor's bid dated _____

6.12 SACC Manual Clauses

SACC Reference	Section	Date
A9062C	Canadian Forces Site Regulations	2011/05/16

6.13 Insurance - Specific Requirements

The Contractor must comply with the insurance requirements specified in Annex "C". 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 seven (7) 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. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best rating no less than "A-". The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

Commercial General Liability Insurance

1. 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.
2. The Commercial General Liability policy must include the following:
 - a) 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.
 - b) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c) 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.
 - d) 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.
 - e) 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.
 - f) 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.

- g) Employees and, if applicable, Volunteers must be included as Additional Insured.
- h) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
- i) 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.
- j) 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.
- k) 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.
- l) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
- m) Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.
- n) Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.
- o) Litigation Rights: Pursuant to subsection 5(d) of the Department of Justice Act, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

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W6898-200451

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File No. - N° du dossier
mct-9-42060

Buyer ID - Id de l'acheteur
MCT033
CCC No./N° CCC - FMS No./N° VME

ANNEX "A" SPECIFICATION

See attached

Solicitation No. - N° de l'invitation
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ANNEX "B" BASIS OF PAYMENT (page 1 of 3)

The following requirement must be strictly adhered to: **Failure to do so shall render the bidder's proposal as non-responsive.**

It is mandatory that the bidders submit firm rates for the Period of the Service Contract for all items listed hereafter. Unit Price Tables, will be considered as the bidder's Financial Proposal.

Each item specified in the Unit Price Tables, includes wages, traveling time and costs, allowances, supervision, liabilities as employer, insurance, and the use of all tools, tackle, etc., overhead, profit, and all other liabilities whatsoever.

The prices inserted in the Unit Price Tables, includes all applicable federal, provincial and municipal taxes. However, they do not include any amount for the Goods and Services Tax (GST)/Harmonized Sales Tax (HST). The appropriate GST/HST amounts will be paid by Her Majesty to the Offeror in addition to the amount paid against the amount of the contract.

ANNEX "B" BASIS OF PAYMENT (Page 2 of 3)

Job No. L-G-9900/1810

The estimated quantity entered in column four for each item is an estimate only for service as and when required and does not infer all the quantities for that item will be utilized or that the quantities may not be exceeded.

Item	Class of Service	Unit of Measure	Estimated Quantity	First Year 01 April 2020 to March 31, 2021		First Option Year April 1, 2021 to March 31, 2022		Second Option Year April 1, 2022 to March 31, 2023	
				Price per Unit (\$)	Total (\$)	Price per Unit (\$)	Total (\$)	Price per Unit (\$)	Total (\$)
1.	Rate per hour for service calls at 5 CDSB Gagetown	Hour	80	\$	\$	\$	\$	\$	\$
2.	Rate per hour for service calls at Detachment Moncton	Hour	20	\$	\$	\$	\$	\$	\$
3.	Rate for two (2) transformer inspections per year at 5 CDSB Gagetown as outlined in section 26 05 01, Part 2 – Testing	Inspection	2	\$	\$	\$	\$	\$	\$
4.	Rate for (2) transformer inspections per year at Detachment Moncton as outlined in section 26 05 01, Part 2 - Testing	Inspection	2	\$	\$	\$	\$	\$	\$
5.	Rate for one (1) infra-red transformer inspection at 5 CDSB Gagetown as outlined in 26 05 01, Part 2 – Testing. This inspection is required in the first year of the contract only. No bid required for first and second option years	Inspection	1	\$	\$	\$	\$	\$	\$

6.	Rate for one infra-red transformer inspection at Detachment Moncton as outlined in 26 05 01, Part 2 – Testing. This inspection is required in the first year of the contract only. No bid is required for the first and second option year	Inspection	1	\$	\$	N/A	N/A	N/A	N/A	N/A
7.	All material will be invoiced at the Contractor's wholesale cost plus a percentage of mark-up. For tendering purposes, the Contractor will submit their percent of mark-up on material _____%. Allowance + Mark-up = TOTAL	Allowance	\$7,500.00	Mark-up in \$	\$	Mark-up in \$	\$	Mark-up in \$	Mark-up in \$	\$
TOTAL FOR FIRST YEAR & OPTIONS YEARS										
\$										
GRAND TOTAL FOR FIRST YEAR AND OPTION YEARS										
\$										

ANNEX "C" EVALUATION CRITERIA AND BASIS OF SELECTION

STATEMENT OF REQUIREMENT

Bids received will be assessed in accordance with the entire requirement of the bid solicitation.

(1) Mandatory Criteria

1. Submission of firm prices/rates for one (1) year including two (2) option years in accordance with Invitation to Tender.
2. A duly completed and signed Invitation to Tender including all Addenda.
3. Within seven (7) days of request from contracting authority and prior to award of Service Contract, provide proof that Bidder has an account in good standing with the Provincial Workers Compensation Board/Commission.
4. Within seven days of request from Contracting Authority and prior to award of the Service Contract, Contractor must provide proof of \$2 Million General Liability Insurance. Within seven (7) days of request from contracting authority and prior to award of Service Contract
5. Within seven days of request from Contracting Authority and prior to award of the Service Contract, proof of current High Voltage Electrical Mechanic and/or High Voltage Linesman License's specializing in High voltage installations as per Specification section 1.03 Qualifications
6. Within seven days of request from Contracting Authority and prior to award of the Service Contract, Certification of level 1 Thermographer as per Specification section 1.03 Qualifications.
7. Within seven days of request from Contracting Authority and prior to award of the Service Contract, proof of two (2) years High voltage Electrical Contracting experience.
8. Within seven days of request from Contracting Authority and prior to award of the Service Contract, Qualifications of other workers who will be performing work as per Specification section 1.03.2 Qualifications.
9. Within seven days of request from Contracting Authority and prior to award of the Service Contract, Proof of being able to respond to emergencies within 4 hours as per Specification section 1.15.8.(IE) Letter stating response plan and time/distance of travel to Base.

(2) 2007/05/25 A0069T Basis of Selection - Mandatory Requirements Only

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

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mct-9-42060

Buyer ID - Id de l'acheteur
MCT033
CCC No./N° CCC - FMS No./N° VME

ANNEX "D" to PART 3 OF THE BID SOLICITATION ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)



DEPARTMENT OF NATIONAL DEFENCE
REAL PROPERTY OPERATIONS
DETACHMENT (GAGETOWN)
5 CDSB GAGETOWN

SPECIFICATION

SERVICE CONTRACT

TRANSFORMER MAINTENANCE AND TESTING
5 CDSB GAGETOWN AND DETACHMENT MONCTON
01 APRIL 2020 TO 31 MARCH 2021
WITH TWO (2) ONE (1) YEAR OPTION PERIODS

Designed by

Fire Inspector

Project O

Engineering O

PF No:

Job No: L-G2-9900 /1810

Date: 2019-04-24

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 00 - Procurement and Contracting Requirements</u>		
00 21 13	Instructions to Bidders	6
<u>Division 01 - General Requirements</u>		
01 35 30	Health and Safety Requirements	2
01 35 35	DND Fire Safety Requirements	3
01 35 43	Environmental Procedures	1
<u>Division 26 - Electrical</u>		
26 05 01	Transformer Testing Criteria	2
<u>List of Attachments</u>		
Annex A - 5 CDSB Gagetown Transformer Inventory		10
Annex B - Detachment Moncton Transformer Inventory		1

END OF SECTION

1 GENERAL

1.01 DESCRIPTION OF WORK

- .1 The work covered under this Service Contract comprises the furnishing of all labour, material, tools and equipment required to conduct annual preventative maintenance testing for specified transformers, and providing written reports of the testing as required for the transformers located at 5 CDSB Gagetown and Detachment Moncton, as specified herein.

1.02 DURATION OF CONTRACT

- .1 This Service Contract will extend from April 01, 2020 to March 31, 2021 with two (2) one (1) year option periods.

1.03 QUALIFICATIONS

- .1 The Contractor must possess a current High Voltage Electrical Mechanic and/or a Linesman License, specializing in High Voltage installations, as issued by the Province of New Brunswick Department of Training and Employment Development Apprenticeship and Certification, and have a minimum of two (2) years High Voltage Electrical contracting experience.
- .2 All high voltage work is to be performed by tradesman and registered apprentices licensed by the Province where the work is being conducted.
- .3 Proof of level one thermography to perform infra red inspections.

1.04 ENGINEER

- .1 The Engineer, as defined and stated in this Specification, will be the Officer Commanding of Real Property Operations Detachment (Gagetown) or a designated representative. The address of the Engineer is:

Contracts Office
Real Property Operations
Detachment (Gagetown)
Building B18
238 Champlain Avenue
P. O. Box 17000 Station Forces
Oromocto, NB E2V 4J5

Telephone: (506) 422-2000 Extension 2677
Fax: (506) 422-1248.

1.05 DOCUMENTS REQUIRED

- .1 Maintain at the job site one (1) copy of each of the following:
 - .1 Specifications; and
 - .2 Addenda.

1.06 CONTRACTOR'S USE OF SITE

- .1 Work site access will be as directed by the Engineer.

- .2 Movement around the site is subject to restrictions laid down by the Engineer.
- .3 Do not unreasonably encumber the site with materials or equipment.

1.07 TEMPORARY SERVICES

- .1 DND will not provide temporary electric power and water for the purposes of this agreement.

1.08 ACCEPTABILITY OF MATERIAL

- .1 Material and parts used will be those specified by the manufacturer of the equipment, and any other material will require the approval of the Engineer.
- .2 Provide material and equipment of specified design and quality, performing to published ratings and for which replacement parts are readily available.
- .3 The Contractor will not make any change in the design and installation of equipment and materials without prior written approval of the Engineer.
- .4 If, in an emergency, the Contractor installs parts other than those specified, they will be replaced with specified parts before claiming payment, but no claim for other than specified parts will be made.
- .5 All replaced parts and materials not under warranty, whether serviceable on unserviceable will be left on site for inspection on completion of the work.
- .6 All manufactured articles, materials, and equipment will be applied, installed, connected and used as specified by the manufacturer and the Engineer.
- .7 Requests for acceptance of materials other than those specified will be submitted in writing to the Engineer. The request must be supported with sufficient product information to enable the Engineer to make an assessment.

1.09 GUARANTEE

- .1 The Contractor will guarantee all materials installed and workmanship for a period of one (1) year or the manufacturer's guarantee, whichever is longer, after acceptance by the Engineer. Any defects which may develop during this period will be rectified and made good to the satisfaction of the Engineer, by the Contractor at their own expense.

1.10 CODES AND STANDARDS

- .1 Perform work and enforce safety measures in accordance with the latest editions of the National Building Code of Canada; Canadian Labour Code, Part 2; the Canadian Electrical Code, Part III, Electricity Distribution and Transmission Systems; Real Property Operations Detachment (Gagetown) SOP 8.2, Confined Spaces; Real Property Operations Detachment (Gagetown) SOP 2.3, Electrical Equipment and Facilities, Annex B, Isolation and Lockout Procedures; and WorkSafeNB, unless otherwise specified.
- .2 The Contractor must be registered with WorkSafeNB.

- .3 Comply with the requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of hazardous materials; and labelling and provision of Materials Safety Data Sheets acceptable to Human Resources and Skills Development Canada and Health Canada.
- .4 Work is to meet or exceed the requirements of specified standards, codes and referenced documents. In the event of conflict between any provisions of the above authorities, the most stringent provision shall apply.

1.11 OVERLOADING

- .1 Ensure no part of work is subject to a load which will endanger its safety or will cause permanent deformation.

1.12 TEMPORARY STRUCTURES

- .1 The Contractor will furnish and maintain all equipment such as temporary ramps, ladders, scaffolds, hoists, chutes, etc, as may be required for the proper execution of the work.
- .2 Temporary structures erected by the Contractor will remain their property and will be removed from the site on completion of the work.

1.13 CLEAN UP

- .1 On completion of all work, the Contractor will remove all surplus material, tools, equipment and debris. The building and site must be left in a clean and tidy condition which meets the satisfaction of the Engineer. The Contractor will not remove any salvageable material or equipment from the job site without permission from the Engineer.

1.14 MAINTENANCE INSPECTIONS

- .1 Visual inspections shall be scheduled during the months of May and November. Infra-red scans shall be scheduled during the month of July and be completed only on the first year of the contract.
- .2 Inspections requiring power shut-downs shall be scheduled for evening and weekend hours, so as to minimize the impact on building's functions and military training operations.
- .3 Emergency power shut-downs shall be coordinated through the Engineer.
- .4 The Contractor shall provide a complete and concise report on all inspection findings.

1.15 QUANTITIES AND BASIS OF PAYMENT

- .1 The Contractor will submit prices for the following in accordance with the specification. Such prices will include transportation (travel time to and from the contractors base of operation will be included in the rates provided), supervision, expenses and profit:
 - .1 Rate per hour for service calls at 5 CDSB Gagetown.
 - .2 Rate per hour for service calls at Detachment Moncton.
 - .3 Rate for two (2) transformer inspections per year at 5 CDSB Gagetown

- as outlined in section 26 05 01, Part 2- Testing.
- .4 Rate for two (2) transformer inspections per year at Detachment Moncton as outlined in section 26 05 01, Part 2-Testing.
- .5 Rate for one (1) infra-red transformer inspection at 5 CDSB Gagetown as outlined in 26 05 01, Part 2-Testing. This inspection is required in the first year of the contract only. **No bid required for first and second option years.**
- .6 Rate for one infra-red transformer inspection at Detachment Moncton as outlined in 26 05 01, Part 2-Testing. This inspection is required in the first year of the contract only. **No bid is required for the first and second option years.**
- .7 All materials will be invoiced at the Contractor's wholesale cost plus a percentage for mark-up. The Contractor will submit a percentage of mark-up for tendering purposes. Copies of the Contractor's invoices from any and all suppliers must accompany the Contractor's invoice for all materials used in the completion of the work for all service calls.
- .2 Time charged, materials used and supporting documentation submitted may be verified by Government Audit before or after payment.
- .3 The above estimated quantities may increase or decrease and are to only to be used as a guide. The quantities are nor guaranteed and the Contractor will have no claim for loss of anticipated profits as a result of these estimated quantities.
- .4 One invoice covering all charges for each Service Request or Inspection will be submitted to the Engineer with a copy of the faxed Service Request within 10 working days of completion of work. The invoice must indicate Contract, Work Order and Requisition numbers issued on the Work Request. The invoice must itemize technicians' names, dates and hours worked, materials used complete with copies of the Contractor's invoices verifying correct mark-up on materials.
- .5 The Contractor will provide service during normal working hours on an eight (8) hour per day, five (5) days per week basis, 0730 to 1600 hours, Monday to Friday inclusive and emergency service after normal working hours.
- .6 The Contractor will advise the Engineer of the telephone number or location at which they or their representative may be contacted at all times.
- .7 The Contractor, upon receipt of a Service Contract, will be advised by the Engineer names of persons authorized to request service. Work undertaken at the request of others, such as building occupants, will be entirely at the Contractor's risk with regard to payment.
- .8 The Contractor will not refuse any call for service by the Engineer and will respond within twenty-four (24) hours on normal service calls and within four (4) hours on emergency service calls.
- .9 When service is required, the Engineer will notify the Contractor and detail the job. When requested by the Engineer, a written estimate shall be provided by the Contractor indicating estimated labour and material costs in accordance with the Service Contract.
- .10 The Contractor will report to the Engineer prior to starting work and upon completion of work on a daily basis to sign in and out. If work started

or completed outside normal working hours and the Engineer's office is closed, the Base Fire Department has a sign in/sign out sheet available for the Contractor.

- .11 After reporting, the Contractor will proceed to the job and carry out the work. The Contractor will provide daily work reports to the Engineer detailing the work performed, Contractor's employees assigned to work, location or building number of the work site, hours worked for each employee, trade of each employee, the materials used in the completion of the work and any recommendations for further work that may be required. This work report must indicate the work order number and the requisition number on which the work was requested from the Engineer. The Contractor is to have the Engineer sign the work report either at the end of the work day or at the beginning of the next work day while signing in. The Standard Operating Procedure (SOP) for work reports will be provided to the successful bidder after award of Contract.

1.16 CONTRACTOR PASSES

- .1 All Contractor employees will have in their possession at all times while on the Base an authorized Contractor Pass while employed on DND property. Such passes will be produced on demand to the Military Police, Commissionaires, Security Guards and persons in authority.
- .2 The Contractor will complete an application form for the Contractor Passes for each individual. The Contractor will accompany the employee to the Military Police Identification Section, Building F-19, for the issuance of a pass.
- .3 Photocopies of passes are to be provided to the Engineer.
- .4 The Contractor will ensure Contractor Passes are recovered from employees who cease to be employed on DND property. Such passes shall be returned to the Military police Identification Section by the Contractor.

1.17 SECURITY CLEARANCE

- .1 The Contractor shall maintain an up-to-date roster of all employees involved in this contract including managers, supervisors, tradespersons, drivers and labourers. This roster must be made available to the Engineer upon request.

1.18 DOCUMENTATION

- .1 The successful bidder when requested shall supply PWGSC with the following;
 - .1 Proof of current High Voltage Electrical Mechanic and/or High Voltage Linesman License's specializing in High voltage installations as per section 1.3 Qualifications.
 - .2 Certification of level 1 thermographer as per section 1.3 Qualifications.
 - .3 Proof of two (2) years High voltage Electrical Contracting experience.
 - .4 Proof of current registration with WorkSafeNB as per section 1.11
 - .5 Qualifications of other workers who will be performing work as per section 1.3.2 Qualifications.

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INSTRUCTIONS TO BIDDERS

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- .6 Proof of being able to respond to emergencies within 4 hours as per section 1.16.8. (IE) Letter stating response plan and time/distance of travel to Base.

END OF SECTION

1 GENERAL

1.01 REFERENCES

- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations.
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS).
 - .1 Material Safety Data Sheets (MSDS).
- .3 Province of New Brunswick:
 - .1 Occupational Health and Safety Act, S.N.B. 1983.

1.02 REGULATORY REQUIREMENTS

- .1 Do Work in accordance with the safety measures of the National Building Code of Canada (Latest Edition), the Canada Labour Code Part 2, the New Brunswick Occupational Health and Safety Act, and WorkSafeNB, provided that in any case of conflict or discrepancy the more stringent requirements shall apply.

1.03 RESPONSIBILITY

- .1 The Contractor is responsible for health and safety of all persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .2 The Contractor and all of the Contractor's employees are to comply with and enforce all safety requirements specified in the Contract Documents as well as all applicable federal, provincial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.
- .3 As outlined in the Canada Labour Code Part 2, the Contractor is responsible to provide a site-specific Health and Safety Plan that includes a Confined Space Entry Procedure in the event that work is deemed by the Engineer to be in a confined space. Work is not to begin until this Health and Safety Plan is submitted and approved by the Engineer.
- .4 Real Property Operations Detachment (Gagetown) employs a Lock Out/Tag Out Program to prevent work related injuries due to electrical or mechanical systems being energized while personnel are working in or around these systems. The Contractor must respect these locks and/or tags when encountered. Do not forcibly remove these locks and/or tags at any time. If the Contractor requires that these be removed to perform work, a request is to be made to the Engineer for such removal.
- .5 As per the Canada Labour Code Part 2, it is the Contractor's responsibility to employ their own Lock Out/Tag Out program to ensure that equipment is not energized by other personnel while they are working in or around equipment.
- .6 It is the Contractor's responsibility to ensure that all of their employees are provided all Personal Protective Equipment (PPE) necessary to perform all work.

1.04 UNFORESEEN HAZARDS

- .1 Should any unforeseen or peculiar safety-related factor, hazard, or condition occur or become evident during performance of work, the Contractor must have procedures in place to facilitate Employee's Right to Refuse Work in accordance with Acts and Regulations of New Brunswick. The Contractor is to advise the Engineer verbally and in writing of any employee who exercises this right.

1.05 CORRECTION OF NON-COMPLIANCE

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Engineer.
- .2 Provide Engineer with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 Engineer may stop Work if non-compliance of health and safety regulations is not corrected.

1.06 WORK STOPPAGE

- .1 Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations for Work.

END OF SECTION

1 GENERAL

1.01 REPORTING FIRES

- .1 Know location of nearest fire alarm box and telephone, including emergency phone number.
- .2 Report immediately all fire incidents to Fire Department as follows:
 - .1 activate nearest fire alarm box; or
 - .2 telephone 911.
- .3 When reporting fire by telephone, give location of fire, name or number of building and be prepared to verify the location.

1.02 INTERIOR AND EXTERIOR FIRE PROTECTION AND ALARM SYSTEMS

- .1 Fire protection and alarm system will not be:
 - .1 obstructed;
 - .2 shut-off; and
 - .3 left inactive at end of working day or shift without authorization from Fire Chief.
- .2 Fire hydrants, standpipes and hose systems will not be used for other than fire-fighting purposes unless authorized by Fire Chief.

1.03 FIRE EXTINGUISHERS

- .1 Supply fire extinguishers, as scaled by Fire Chief, necessary to protect work in progress and contractor's physical plant on site.

1.04 BLOCKAGE OF ROADWAYS

- .1 Advise Fire Chief of any work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by Fire Chief, erecting of barricades and digging of trenches.

1.05 SMOKING PRECAUTIONS

- .1 Observe smoking regulations at all times.

1.06 RUBBISH AND WASTE MATERIALS

- .1 Rubbish and waste materials are to be kept to minimum.
- .2 Burning of rubbish is prohibited.
- .3 Removal:
 - .1 Remove all rubbish from work site at end of work day or shift or as directed.
- .4 Storage:
 - .1 Store oily waste in approved receptacles to ensure maximum cleanliness and safety.

- .2 Deposit greasy or oily rags and materials subject to spontaneous combustion in approved receptacles and remove.

1.07 FLAMMABLE AND COMBUSTIBLE LIQUIDS

- .1 Handling, storage and use of flammable and combustible liquids are to be governed by the current National Fire Code of Canada.
- .2 Flammable and combustible liquids such as gasoline, kerosene and naphtha will be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing Underwriters' Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes requires permission of Fire Chief.
- .3 Transfer of flammable and combustible liquids is prohibited within buildings or jetties.
- .4 Transfer of flammable and combustible liquids will not be carried out in vicinity of open flames or any type of heat-producing devices.
- .5 Flammable liquids having a flash point below 38°C such as naphtha or gasoline will not be used as solvents or cleaning agents.
- .6 Flammable and combustible waste liquids, for disposal, will be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and Fire Department is to be notified when disposal is required.

1.08 HAZARDOUS SUBSTANCES

- .1 Work entailing use of toxic or hazardous materials, chemicals and/or explosives, or otherwise creating hazard to life, safety or health, will be in accordance with National Fire Code of Canada.
- .2 Obtain from Fire Chief a "Hot Work" permit for work involving welding, burning or use of blow torches and salamanders, in buildings or facilities.
- .3 When Work is carried out in dangerous or hazardous areas involving use of heat, provide fire watchers equipped with sufficient fire extinguishers. Determination of dangerous or hazardous areas along with level of protection necessary for Fire Watch is at discretion of the Fire Chief. Contractors are responsible for providing fire watch service for work on a scale established and in conjunction with Fire Chief at pre-work conference.
- .4 Where flammable liquids, such as lacquers or urethanes are to be used, proper ventilation will be assured and all sources of ignition are to be eliminated. Fire Chief is to be informed prior to and at cessation of such work.

1.09 QUESTIONS AND/OR CLARIFICATION

- .1 Direct any questions or clarification on Fire Safety in addition to above requirements to Fire Chief through the Engineer.

1.10 FIRE INSPECTION

- .1 Site inspections by Fire Chief will be coordinated through Engineer.
- .2 Allow Fire Chief unrestricted access to work site.
- .3 Co-operate with Fire Chief during routine fire safety inspection of work site.
- .4 Immediately remedy all unsafe fire situations observed by Fire Chief.

END OF SECTION

1 GENERAL

1.01 GENERAL

- .1 The Contractor will take all reasonable steps to ensure that they and their employees have complied with all pertinent legislation and have protected the environment.

1.02 FIRES

- .1 Fires and burning of rubbish on site is not permitted.

1.03 DISPOSAL OF WASTES

- .1 Do not bury rubbish and waste materials on site unless approved by Engineer.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.
- .3 All potential hazardous wastes must be disposed of in the proper manner.

1.04 SPILL PROTECTION

- .1 The Contractor must have adequate clean up materials for any potential hazardous materials used in the completion of the work, ie: fuels, oils, lubricants, etc.
- .2 In the event of a spill, the Contractor will immediately take corrective action to clean up the material.
- .3 In the event of a spill over one (1) litre of a hazardous material, the Contractor will immediately inform the proper authorities at the 5 CDSB Gagetown Fire Department, telephone (506) 422-2000 extension 2106 and take necessary remedial action.
- .4 The Contractor will inform the Engineer in writing of any spill, with details of any actions taken to remediate the spill and to prevent any reoccurrence.

END OF SECTION

1 GENERAL

1.01 GENERAL

- .1 This Section covers the particular testing criteria for the transformers located at 5 CDSB Gagetown.

1.02 CODES AND STANDARDS

- .1 Do complete testing in accordance with the Standards listed in Section 00 21 13 - Part 1.11, except where specified otherwise.

1.03 VOLTAGE RATINGS

- .1 Operating voltages for the existing in service transformers is:
 - .1 Pad Mount transformers: 12.47 kV primary, 347/600 volts or 120/208 volts secondary.
 - .2 Pole mount transformers: 7.2 kV primary, 347 volts or 120/240 volts secondary.

1.04 MATERIALS AND EQUIPMENT

- .1 Provide materials and equipment in accordance with Section 00 21 13 - Instructions to Bidders.
- .2 Equipment and material to be CSA certified. Where there is no alternative to supplying equipment which is not CSA certified, obtain special approval from the Engineer.

1.05 CO-ORDINATION AND CONFIRMATION

- .1 Co-ordinate testing schedule with Engineer Allow a minimum of ninety six (96) hours notice for scheduled power shut-downs. Emergency power shut-downs are to be dealt with on an as needed basis.

2 TESTING

2.01 TESTING AND INSPECTION

- .1 Pad mount transformers semi-annual inspection. **Note - The report will contain the below information;**
 - .1 Visually check for fluid leaks in tanks and at bushings.
 - .2 Visually inspect for physical damages to the tank and fittings.
 - .3 Visually inspect high voltage bushings for cracks, chips and for deterioration.
 - .4 Visually check load break elbows and associated items for deterioration and fatigue.
 - .5 Check the integrity of secondary connections.
 - .6 Check the integrity of the grounding system.
 - .7 Check pressure relief valve, where applicable.
 - .8 Do load test on secondary conductors.
 - .9 Visually inspect pads and bollards.

- .10 Check and verify location and name palyte info (type, manufacturer, serial number, KVA, oil capacity, weight, % impedance, primary and secondary volts)
- .11 Report findings for each transformer.
- .2 Pole mount transformers semi-annual inspection. **Note - The report will contain the below information;**
 - .1 Visually check for fluid leaks in tanks and at bushings.
 - .2 Visually inspect for physical damages to the tank and bushings.
 - .3 Visually inspect high voltage bushings for cracks, chips and deterioration.
 - .4 Check integrity of primary connections.
 - .5 Check integrity of secondary connections.
 - .6 Check integrity of the grounding system.
 - .7 Check pressure relief valve, where applicable.
 - .8 Do load test on secondary conductors.
 - .9 Visually inspect pole condition.
 - .10 Check and verify name plate info (type, manufacturer, serial number, KVA, oil capacity, weight, % impedance, primary and secondary volts.
 - .11 Report findings for each transformer.
- .3 Infrared (IR) Inspection:
 - .1 Conduct thermal infrared inspection on transformer and components for excessive heat levels to expose potential loose connections, load unbalance, faulty wiring and to roughly gauge the oil levels in the tanks.
 - .2 IR inspections are to be conducted in the month of July.
Note: the IR inspection is to be done only on the first year of the contract. No bid required for first/second option years.

END OF SECTION

5 CDSB GAGETOWN TRANSFORMER INVENTORY

Location	Manufacturer / Model	Serial Number	KVA	Sec Volts	Pri Volts	Type	Remarks
A-4	CARTE	20549-002	150	120/208	7.2 KV	PAD	
A-5	CARTE	20549-003	150	120/208	7.2 KV	PAD	
A-9	CARTE	20549-001	150	120/208	7.2 KV	PAD	
A-11	CARTE	20531-004	150	120/208	7.2 KV	PAD	
A-47	CARTE	3B042-001	1000	347/600	7.2 KV	PAD	
A-48	CARTE	20534-002	225	120/208	7.2 KV	PAD	By A11 Parking Lot
A-338	ABB	10JC303620001	300	347/600	7.2 KV	PAD	
AR-1	MALONEY	A1743-272	75	120/240	7.2 KV	POLE	Amiens Range
AS1-1 (FIELD PHASE)	CARTE	2A1870-001	25	120/208	7.2 KV	POLE	Airstrip #1 Area
AS1-1 (CENTER PHASE)	CARTE	2A1870-002	25	120/208	7.2 KV	POLE	Airstrip #1 Area
AS1-1 (ROAD PHASE)	CARTE	2A1870-003	25	120/208	7.2 KV	POLE	Airstrip #1 Area
AS1-2 (FIELD PHASE)	CARTE	2A1869-001	10	120/208	7.2 KV	POLE	Airstrip #1 Area
AS1-2 (CENTER PHASE)	CARTE	2A1869-002	10	120/208	7.2 KV	POLE	Airstrip #1 Area
AS1-2 (ROAD PHASE)	CARTE	2A1869-003	10	120/208	7.2 KV	POLE	Airstrip #1 Area
AS1-2 STEP DOWN	CARTE	2A2070-001	25	0	12.47 KV	PAD	Airstrip #1 Area
AS1-4	MALONEY	A1737-568	15	120/240	7.2 KV	POLE	Airstrip #1 Area
AV-1	WESTINGHOUSE	171E022A	10	120-240	7.2 KV	POLE	Austere Village
AV-1	GENERAL	921506	100	120-240	7.2 KV	POLE	Austere Village
AV-4	CARTE	10742-001	15	120-240	7.2 KV	POLE	Austere Village
B-1	CARTE	20531-002	150	120-208	7.2 KV	PAD	
B ZONE-IRONWOOD STREET	MALONEY	A4095-2	15	120/240	7.2 KV	POLE	Pole A8 behind B1
B ZONE-ALDER STREET LIGHT #1	WESTINHOUSE	713097	10	120/240	7.2 KV	POLE	By Ganong -2 poles in
B ZONE-ALDER STREET LIGHT #2						POLE	Pole 4 behind B59
B-4	MALONEY	203583-1017	15	120/240	7.2 KV	POLE	
B-7	CARTE	20532-002	150	347/600	7.2 KV	PAD	
B-9	CARTE	20538-001	500	347/600	12.47 KV	PAD	
B-10	CARTE	20534-004	225	120/208	7.2 KV	PAD	
B-10	CARTE	20537-001	300	347/600	7.2 KV	PAD	
B-12	PIONEER	G9562-1	300	347/600	7.2 KV	PAD	
B-14	COOPER	979007149	112	120/208	7.2 KV	PAD	
B-18	CARTE	20535-001	225	347/600	7.2 KV	PAD	
B-18	CARTE	20536-001	300	120/208	7.2 KV	PAD	
B-18 (STORAGE)	CANADA POWER	18937	95	NA	NA	PAD	From old B6
B-18 (STORAGE)	CARTE	20532-001	150	347/600	7.2 KV	PAD	From old B6
B-18 (STORAGE)	MALONEY	A3263-242	25	120/208	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	20531-001	150	120/208	7.2 KV	PAD	B18 Compound
B-18 (STORAGE)	GENERAL	853980	10	120/240	7.2 KV	POLE	

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B-18 (STORAGE)	MALONEY	A3263-241	25	120/208	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	A2164-413	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	20535-001	225	120/208	12.47 KV	PAD	B18 Compound
B-18 (STORAGE)	CARTE	00539-3	50	347	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	A2164-467	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MAHONEY	A2165-471	50	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MAHONEY	A2344-239	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	00539-2	50	347	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	A1739-343	50	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	571/126	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	202842-1242	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	202842-1254	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	J592-83	10	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	202842-1260	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	551-75	50	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	A3263-1114	25	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	MALONEY	8703E1737-033	50	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	20595-001	150	120/208	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	4119-001	150	120/208	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	7933-002	300	347/600	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	WESTINGHOUSE	LE 10890	75	120/240	7.2 KV	POLE	B18 Compound
B-18 (STORAGE)	CARTE	7933-002	300	347/600	7.2 KV	PAD	B18 Compound
B-18 (STORAGE)	CARTE	22035-003	150	208/120	7.2 KV	PAD	B18 Compound
B-23	CARTE	20527-001	30	120/208	7.2 KV	PAD	
B-58	CARTE	10403-001	300	347/600	7.2 KV	PAD	
B-59	MALONEY	A1743-518	75	120/240	7.2 KV	POLE	
B-69	MALONEY	A4697-1	25	120/240	7.2 KV	POLE	
B71	COOPER	CP115003436	500	347/600	7.2 KV	PAD	
B-341 (CENTER PHASE)	MALONEY	204636-1	25	120/208	7.2 KV	POLE	
B-341 (FIELD PHASE)	MALONEY	204636-2	25	120/208	7.2 KV	POLE	
B-341 (ROAD PHASE)	MALONEY	204636-3	25	120/208	7.2 KV	POLE	
B833	MALONEY	204795-3	50	120/240	7.2 KV	POLE	
B834	MALONEY	200146-3	100	120/240	7.2 KV	POLE	Behind B71
OLD FUEL FARM- MEDIUM ST	MALONEY	89-03E4773-001	50	347/600	7.2 KV	POLE	Road Phase-off Alder Street
OLD FUEL FARM- MEDIUM ST	MALONEY	89-03E4773-002	50	347/600	7.2 KV	POLE	Center Phase-off Alder Street
OLD FUEL FARM- MEDIUM ST	MALONEY	89-03E4773-003	50	347/600	7.2 KV	POLE	Field Phase-off Alder Street
OLD FUEL FARM- MEDIUM ST	MALONEY	ATL1213309	25	120/240	7.2 KV	POLE	#236
C-7	CARTE	18841-001	75	120/208	7.2 KV	PAD	

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C-8	CARTE	20532-003	150	347/600	7.2 KV	PAD	
C-9	PIONEER	G-9089-1	750	347/600	7.2 KV	PAD	
CUMBERLAND AVE (SOUTH GATE)	MALONEY	204755-4	15	120/240	7.2 KV	POLE	171 Camera
D-4	CARTE	20531-003	150	120/208	7.2 KV	PAD	
D-5	CARTE	20534-001	225	120/208	12.47 KV	PAD	
D-5	CARTE	20530-001	75	4160	7.2 KV	PAD	
D-9	CARTE	20550-004	150	120/208	7.2 KV	PAD	
D-10	CARTE	18843-001	300	347/600	7.2 KV	PAD	
D-15	CARTE	20550-003	150	120/208	7.2 KV	PAD	
D-17	CARTE	7932-002	150	120/208	7.2 KV	PAD	
D-22	CARTE	20536-002	300	120/208	7.2 KV	PAD	
D-23	CARTE	5284-001	150	120/208	7.2 KV	PAD	
D-24	CAM TRAN CO	02C167550	150	120/208	7.2 KV	PAD	
D-25	CARTE	5283-003	150	120/208	7.2 KV	PAD	
D-27	CARTE	5284-003	150	120/208	7.2 KV	PAD	
D-55	CARTE	13626-001	150	347/600	7.2 KV	PAD	
D-56	PIONEER	G128891	750	347/600	7.2 KV	PAD	
D-57	CARTE	18483-001	1500	347/600	7.2 KV	PAD	
D-58	COOPER	750010183	300	347/600	7.2 KV	PAD	
D-59	CARTE	20570-001	1000	347/600	7.2 KV	PAD	
D-60	CARTE	20534-001	750	347/600	7.2 KV	PAD	
EN-3 ENISLILLAN	MALONEY	ARP1287A-10	15	120/240	7.2 KV	POLE	Trg Area
EN-4 ENISKILLAN	MALONEY	ARP1287A-7	15	120/240	7.2 KV	POLE	Trg Area
F-1	CARTE	20550-002	150	120/208	7.2 KV	PAD	
F-2	CARTE	20550-001	150	120/208	7.2 KV	PAD	
F-6	CARTE	JC827040004	150	120/208	7.2 KV	PAD	
F-12	CARTE	5235-001	300	347/600	7.2 KV	PAD	
F-18	CARTE	20534-003	225	120/208	7.2 KV	PAD	
F-19	CARTE	23396-001	150	120/208	7.2 KV	PAD	
FWTA (ON RIVER)	CARTE	A3263-450	15	120/240	7.2 KV	POLE	Gate 49 across from Sobeys
F ZONE STREET LIGHT	RELIANT	3712	15	120/240	7.2 KV	POLE	
G-1	CARTE	7930-001	75	120/208	7.2 KV	PAD	Church
G-3 TARP BLDG	CAM TRAN CO	1RD0685W01	45	120/208	7.2 KV	PAD	Beside Fire Hall
G-3 FIRE STATION	CARTE	7932-001	150	120/208	7.2 KV	PAD	
G-8	MALONEY	204676-1	300	347/600	7.2 KV	PAD	
GANONG ST. POLE 16	MALONEY	A1737-569	15	120/240	7.2 KV	POLE	
GANONG ST. POLE 19	MALONEY	A3263-228	25	120/208	7.2 KV	POLE	Center Phase
GANONG ST POLE 19	MALONEY	A3263-241	25	120/208	7.2 KV	POLE	Road Phase

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K-18		CARTE	22114-001	150	120/208	7.2 KV	PAD	
K-19		CARTE	22114-002	150	120/208	7.2 KV	PAD	
K-20 SITE		MALONEY	A4095-239	15	120/240	7.2 KV	POLE	Not in use
K-20 BULK		HAMMOND	DB00C45	112.5	347/600	7.2 KV	CABINET	
K-26		MALONEY	A1555-132	15	120/240	7.2 KV	POLE	
K-38		MALONEY	A2343-267	15	120/240	7.2 KV	POLE	
K-39 (ROAD PHASE)		SIEMENS	63903-334	50	120/208	7.2 KV	POLE	
K-39 (CENTER PHASE)		SIEMENS	63903-357	50	120/208	7.2 KV	POLE	
K-39 (FIELD PHASE)		SIEMENS	63903-369	50	120/208	7.2 KV	POLE	
K-46		MALONEY	A2005-150	15	120/240	7.2 KV	POLE	
K-60		CARTE	4B220-001	500	347/600	7.2 KV	PAD	
FFTA (FIRE TRG AREA)		MALONEY	A3262-880	15	120/240	7.2 KV	POLE	Beside K60
FIRE TRG BLDG BESIDE K60		CAM TRAN CO	1M02436101	25	120/240	9200	POLE	Red Building
K-61		CARTE	20528-001	45	120/208	7.2 KV	PAD	
K-63		CARTE	20529-001	75	120/208	7.2 KV	PAD	By K6
K-69 (ROAD PHASE)		MALONEY	A4101-7	25	347/600	7.2 KV	POLE	
K-69 (CENTER PHASE)		MALONEY	A4101-23	25	347/600	7.2 KV	POLE	
K-69 (FIELD PHASE)		MALONEY	A43268-64	25	347/600	7.2 KV	POLE	
K-71 (ROAD PHASE)		MALONEY	A4097-134	50	120/208	7.2 KV	POLE	
K-71 (CENTER PHASE)		MALONEY	A4097-409	50	120/208	7.2 KV	POLE	
K-71 (FIELD PHASE)		MALONEY	A3264-2012	50	120/208	7.2 KV	POLE	
CWES BUILDING		CARTE	12958-001	150	120/208	7.2 KV	PAD	Building before K75
K73		COOPER	1550005398	300	347/600	12.47 KV	PAD	Beside K73
K-75 (CENTER PHASE)		MALONEY	A1738-915	25	120/208	7.2 KV	POLE	
K-75 (ROAD PHASE)		MALONEY	A1738-916	25	120/208	7.2 KV	POLE	
K-75 (FIELD PHASE)		MALONEY	A1738-918	25	120/208	7.2 KV	POLE	
K-79 (FIELD PHASE)		MALONEY	A002-147	10	120/208	7.2 KV	POLE	
K-79 (ROAD PHASE)		GENERAL	2337	10	120/208	7.2 KV	POLE	
K-79 (CENTER PHASE)		GENERAL	858762	10	120/208	7.2 KV	POLE	
K-81/82 (ROAD PHASE)		MALONEY	550 246	25	120/208	7.2 KV	POLE	Forestry by Geary Gate
K-81/82 (CENTER PHASE)		MALONEY	8005-1881	25	120/208	7.2 KV	POLE	Forestry by Geary Gate
K-81/82 (FIELD PHASE)		MALONEY	550 228	25	120/208	7.2 KV	POLE	Forestry by Geary Gate
K-88 (ROAD PHASE)		MALONEY	A2725-57	25	120/208	7.2 KV	POLE	
K-88 (CENTER PHASE)		MALONEY	A2725-58	25	120/208	7.2 KV	POLE	
K-88 (FIELD PHASE)		MALONEY	A2725-61	25	120/208	7.2 KV	POLE	
K-92		CARTE	28644-001	1000	347/600	7.2 KV	PAD	
K-94 (CENTER PHASE)		COOPER	CP1455135774	25	347/600	7.2 KV	POLE	Behind K13
K-94 (FIELD PHASE)		COOPER	CP1455135773	25	347/600	7.2 KV	POLE	Behind K13

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5 CDSB GAGETOWN TRANSFORMER INVENTORY

K-94 (ROAD PHASE)	COOPER	CP1455135772	25	347/600	7.2 KV	POLE	Behind K13
K-95	COOPER	1550005259	500	347/600	12.5	PAD	
K-96	COOPER	1650010897	500	600/347	12.5/7.2KV	PAD	
K-330	MALONEY	A4457-10	15	120/240	7.2 KV	POLE	
L-3 WATER TOWER	MALONEY	A1739-378	50	120/240	7.2 KV	POLE	
L-3 RETS 2 (CENTER PHASE)	MALONEY	A2513-46	50	120/208	7.2 KV	POLE	
L-3 RETS 2 (FIELD PHASE)	MALONEY	A2513-49	50	120/208	7.2 KV	POLE	
L-3 RETS 2 (ROAD PHASE)	MALONEY	A2513- 50	50	120/208	7.2 KV	POLE	
L-24 (ROAD PHASE)	MALONEY	206333-2	75	347/600	7.2 KV	POLE	
L-24 (CENTER PHASE)	MALONEY	206333-3	75	347/600	7.2 KV	POLE	
L-24 (FIELD PHASE)	MALONEY	206333-1	75	347/600	7.2 KV	POLE	
I-24	FEDERAL	G-8616	500	347/600	7.2 KV	PAD	
L-27 (ROAD PHASE)	MALONEY	A1743-322	75	120/208	7.2 KV	POLE	
L-27 (CENTER PHASE)	MALONEY	A1743-325	75	120/208	7.2 KV	POLE	
L-27 (FIELD PHASE)	MALONEY	A1743-327	75	120/208	7.2 KV	POLE	
L-32	TRANS CAN	124B1000-040	1000	347/600	7.2 KV	PAD	
L-33	ABB	98J586316	1000	347/600	7.2 KV	PAD	
L-37	MALONEY	204901-1	300	347/600	7.2 KV	PAD	
L-38 (ROAD PHASE)	SURPLEX	301-615-32	50	120/208	7.2 KV	POLE	Down from Water Tower
L-38 (CENTER PHASE)	SURPLEX	301690-218	50	120/208	7.2 KV	POLE	Down from Water Tower
L-38 (FIELD PHASE)	SURPLEX	17E0216-462	50	120/208	7.2 KV	POLE	Down from Water Tower
L38 TRAILERS	MALONEY	4500264253	50	120/240	7.2 KV	POLE	Feeds 3 trailers
L-60 (POL FUEL PUMPS)	ABB	13JC691400001	300	347/600	7.2 KV	PAD	On Shirley Road
L-62 (NEW GATE)	MALONEY	204635-1	15	120/240	7.2 KV	POLE	Gate on Shirley Road
L-100	MALONEY	A1739 372	50	120/240	7.2 KV	POLE	
L-102	MALONEY	20792-2	75	120/240	7.2 KV	POLE	
L-103	MALONEY	A1739-376	50	120/240	7.2 KV	POLE	
L-108	MALONEY	A1739-344	50	120/240	7.2 KV	POLE	
L-110	MALONEY	A1739-371	50	120/240	7.2 KV	POLE	
L-111	MALONEY	A1739-375	50	120/240	7.2 KV	POLE	
L342 (BESIDE TRAILER)	MALONEY	900051-26	25	120/240	7.2 KV	POLE	Beside L24
L-345 (ROAD PHASE)	MALONEY	202842-1755	25	120/208	7.2 KV	POLE	"Parking Lot
L-345 (CENTER PHASE)	MALONEY	202842-1742	25	120/208	7.2 KV	POLE	by Water
L-345 (FIELD PHASE)	MALONEY	202842-1759	25	120/208	7.2 KV	POLE	Tower"
LV-9 (FIELD PHASE)	MALONEY	551-73	50	120/208	7.2 KV	POLE	Lindsay Valley-Ski Hill
LV-9 (CENTER PHASE)	MALONEY	551-77	50	120/208	7.2 KV	POLE	Lindsay Valley-Ski Hill
LV-9 (ROAD PHASE)	MALONEY	551-87	50	120/208	7.2 KV	POLE	Lindsay Valley-Ski Hill
ARGONAUT PARADE SQUARE	MALONEY	202515-1	25	120/240	7.2 KV	POLE	Cadet Camp

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LW-3 (ROAD PHASE)	MALONEY	A2013-19	75	347/600	7.2 KV	POLE	Lauvina Woods
LW-3 (CENTER PHASE)	MALONEY	A1748-33	75	347/600	7.2 KV	POLE	Lauvina Woods
LW-3 (FIELD PHASE)	MALONEY	A4464-88	75	347/600	7.2 KV	POLE	Lauvina Woods
LW-4 (ROAD PHASE)	MALONEY	201497-65	50	120/208	7.2 KV	POLE	Lauvina Woods
LW-4 (CENTER PHASE)	MALONEY	201497-67	50	120/208	7.2 KV	POLE	Lauvina Woods
LW-4 (FIELD PHASE)	MALONEY	201497-72	50	120/208	7.2 KV	POLE	Lauvina Woods
LW-5 (CENTER PHASE)	COOPER	CP1655123677		200/347	7.2 KV	POLE	Lauvina Woods
LW-5 (FIELD PHASE)	COOPER	CP1655123675		200/347	7.2 KV	POLE	Lauvina Woods
LW-5 (ROAD PHASE)	COOPER	CP1655123676		200/347	7.2 KV	POLE	Lauvina Woods
MAIDSTONE SHACK	MALONEY	A2724-401	15	120/240	7.2 KV	POLE	Gate Hwy 7
M-2	CARTE	5952-001	750	347/600	7.2 KV	PAD	Gym
M-2 (TRACK)	MALONEY	A2343-277	15	120/240	7.2 KV	POLE	Behind M2-Gym
M-2 (TRACK)	GENERAL	2845	10	120/240	7.2 KV	POLE	Behind M2-Gym
M-2 REPEL TOWER	MALONEY	A4066215	10	120/240	7.2 KV	POLE	Between M2-M5
M-5 (FIELD PHASE)	PIONEER	C9844-1	167	347/600	7.2 KV	POLE	
M-5 (CENTER PHASE)	PIONEER	C9844-2	167	347/600	7.2 KV	POLE	On Ganong Street
M-5 (ROAD PHASE)	PIONEER	C9844-3	167	347/600	7.2 KV	POLE	
M-6 (ROAD PHASE)	MALONEY	A3262-943	15	120/208	7.2 KV	POLE	
M-6 (CENTER PHASE)	MALONEY	A3262-977	15	120/208	7.2 KV	POLE	
M-6 (FIELD PHASE)	MALONEY	A3262-978	15	120/208	7.2 KV	POLE	
MA-22	CARTE	7B214-001	300	120/208	7.2 KV	PAD	Ammo Dump-ASA
MA-23	CARTE	7B213-002	75	120/208	7.2 KV	PAD	Ammo Dump-ASA
MA-36	CARTE	511-011	15	120/240	7.2 KV	POLE	Ammo Dump-ASA
MA-36	CARTE	7B213-001	75	120/208	7.2 KV	PAD	Ammo Dump-ASA
MA-36 (CENTER PHASE)	MALONEY	87-03E215-040	75	120/208	7.2 KV	POLE	Ammo Dump-ASA
MA-36 (FIELD PHASE)	MALONEY	A 3265-623	75	120/208	7.2 KV	POLE	Ammo Dump-ASA
MA-36 (ROAD PHASE)	MALONEY	200158933	75	120/208	7.2 KV	POLE	Ammo Dump-ASA
MA-40	CARTE	21284-001	500	347/600	7.2 KV	PAD	Ammo Dump-ASA
MA-43	CARTE	3B360-001	300	347/600	7.2 KV	PAD	Ammo Dump-ASA
MR-1	MALONEY	A2164-410	25	120/240	7.2 KV	POLE	Mons Range
MR-2	PIONEER	G-10293-1	25	120/240	7.2 KV	PAD	Mons Range
N-6	MALONEY	468-143	15	120/240	7.2 KV	POLE	Dirt road across B19
ROGERS TOWER- NEXT TO N6	MALONEY	379-231	50	120/240	7.2 KV	POLE	Dirt road across B19
N-37	MALONEY	A128-15	100	120/240	7.2 KV	POLE	
N-38	MALONEY	551-78	50	120/240	7.2 KV	POLE	Behind
N-39	MALONEY	551-69	50	120/240	7.2 KV	POLE	
N-45 (FIELD PHASE)	MALONEY	550-154	25	120/208	7.2 KV	POLE	
N-45 (CENTER PHASE)	MALONEY	550-141	25	120/208	7.2 KV	POLE	

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N-45 (ROAD PHASE)	MALONEY	550-144	25	120/208	7.2 KV	POLE	
N-58 (ROAD PHASE)	MALONEY	202074-147	25	120/208	7.2 KV	POLE	
N-58 (CENTER PHASE)	MALONEY	202074-151	25	120/208	7.2 KV	POLE	
N-58 (FIELD PHASE)	MALONEY	202074-150	25	120/208	7.2 KV	POLE	
N-63	MALONEY	551-54	50	120/240	7.2 KV	POLE	
N-68	WESTINGHOUSE	87-03E17-37-033	50	120/240	7.2 KV	POLE	
N-75	MALONEY	551-75	50	120/240	7.2 KV	POLE	
N-82	WESTINGHOUSE	87-03E17-39-052	50	120/240	7.2 KV	POLE	
N-89	MALONEY	551-51	50	120/240	7.2 KV	POLE	
N-104 (FIELD PHASE)	CARTE	T1873-001	50	120/208	7.2 KV	POLE	
N-104 (CENTER PHASE)	CARTE	T1873-002	50	120/208	7.2 KV	POLE	
N-104 (ROAD PHASE)	CARTE	T1873-003	50	120/208	7.2 KV	POLE	
N-107	MALONEY	551-89	50	120/240	7.2 KV	POLE	
N-116	MALONEY	A2-166-19	75	120/240	7.2 KV	POLE	
N-117 (CENTER PHASE)	MALONEY	560/14	75	347	7.2 KV	POLE	Sewage Plant
N-117 (FIELD PHASE)	MALONEY	560/10	75	347	7.2 KV	POLE	Sewage Plant
N-117 (ROAD PHASE)	MALONEY	560/11	75	347	7.2 KV	POLE	Sewage Plant
N-118 (FIELD PHASE)	MALONEY	A2726-50	50	120/208	7.2 KV	POLE	
N-118 (CENTER PHASE)	MALONEY	A2726-51	50	120/208	7.2 KV	POLE	
N-118 (ROAD PHASE)	MALONEY	A2726-56	50	120/208	7.2 KV	POLE	
N-121	MALONEY	ATL-1466-156	100	120/240	7.2 KV	POLE	
N-123	GENERAL	004-1280	25	120/240	7.2 KV	POLE	
N-125 (CENTER PHASE)	MALONEY	A4458-3	50	120/208	7.2 KV	POLE	
N-125 (ROAD PHASE)	MALONEY	A4458-4	50	120/208	7.2 KV	POLE	
N-125 (FIELD PHASE)	MALONEY	A4458-8	50	120/208	7.2 KV	POLE	
N-126 (ROAD PHASE)	MALONEY	206023-6	75	120/208	7.2 KV	POLE	
N-126 (CENTER PHASE)	MALONEY	206023-5	75	120/208	7.2 KV	POLE	
N-126 (FIELD PHASE)	MALONEY	206023-4	75	120/208	7.2 KV	POLE	
N-129 (FIELD PHASE)	MALONEY	206023-9	75	120/208	7.2 KV	POLE	
N-129 (CENTER PHASE)	MALONEY	206023-8	75	120/208	7.2 KV	POLE	
N-129 (ROAD PHASE)	MALONEY	206023-7	75	120/208	7.2 KV	POLE	
N-130 (ROAD PHASE)	MALONEY	206023-3	75	120/208	7.2 KV	POLE	
N-130 (FIELD PHASE)	MALONEY	206023-1	75	120/208	7.2 KV	POLE	
N-130 (CENTER PHASE)	MALONEY	206023-2	75	120/208	7.2 KV	POLE	
N-312	MALONEY	ATL-1109-56	100	120/240	7.2 KV	POLE	
N-329	MALONEY	551-76	50	120/240	7.2 KV	POLE	
ALLIANT TOWER (HWY 7)	MALONEY	A2724-637	15	120/240	7.2 KV	POLE	Towards Westfield
PC-19	MALONEY	A3262-519	15	120/240	7.2 KV	POLE	Petersville Camp

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MAN TOWER- JUST PAST PC 27	COOPER	CP1655047661	25	120/240	7.2 KV	POLE	
PC-29	MALONEY	A1559-1-5	25	120/240	7.2 KV	POLE	
PC-33	GENERAL	800-51291	77	120/240	7.2 KV	POLE	
PC-35 PARKING LOT	MALONEY	A2725-266	25	120/240	7.2 KV	POLE	Right Side of Parking
PC-35 MAIN ROAD TO AMY	MALONEY	ATL955-337	25	120/240	7.2 KV	POLE	Telephone Booth
PC-35 TANK PARK	CARTE	L0197-6	25	120/240	7.2 KV	POLE	Beside Fenced Area
PC-42 GUARD SHACK	GENERAL	490850	10	120/240	7.2 KV	POLE	
PC-43 (ROAD PHASE)	MALONEY	381-19	75	120/240	7.2 KV	POLE	
PC-43 (CENTER PHASE)	MALONEY	381-25	75	120/240	7.2 KV	POLE	
PC-43 (FIELD PHASE)	MALONEY	381-29	75	120/240	7.2 KV	POLE	
PC-48 (ROAD PHASE)	FIRENTI PACKKARD	2-156-775	50	347/600	7.2 KV	POLE	
PC-48 (CENTER PHASE)	FIRENTI PACKKARD	2-156-777	50	347/600	7.2 KV	POLE	
PC-48 (FIELD PHASE)	FIRENTI PACKKARD	2-156-779	50	347/600	7.2 KV	POLE	
PC-53	MALONEY	APR1050-136	25	120/240	7.2 KV	POLE	
PC-56	MALONEY	A1738-1359	25	120/240	7.2 KV	POLE	Irving Propane Tank
PC-58	MALONEY	A1738-1352	25	120/240	7.2 KV	POLE	
PC-100	WESTINGHOUSE	C72R115	37.5	120/240	7.2 KV	POLE	At PC108
PC-101	MALONEY	A2344-318	25	120/240	7.2 KV	POLE	
PC-104	MALONEY	A2164-429	25	120/240	7.2 KV	POLE	
PC-105	WESTINGHOUSE	LL22262	25	120/240	7.2 KV	POLE	
PC-316	GENERAL	800-61024	50	120/240	7.2 KV	POLE	Across from PC103
PC- HIGHWAY	MALONEY	ARP1058-42	15	120/240	7.2 KV	POLE	Bottom of Hill
PC-POL	MALONEY	A205211-3	25	120/240	7.2 KV	POLE	Fuel Depot
ALIAINT TOWER PET	GENERAL	1057034	37.5	120/240	7.2 KV	POLE	Before Eniskillen Gate
GRONIGEN VILLAGE	COOPER	CP1550003990	300	120/208	12.47 KV	PAD	Trg Area
GRONIGEN VILLAGE POLE 126	COOPER	CP1550003991	300	120/208	12.47 KV	PAD	Trg Area
RR-8	MALONEY	383-506	25	120/240	7.2 KV	POLE	
RR-12	GENERAL	6895-001	10	120/240	7.2 KV	POLE	Batouche Range
RR-14	CARTE	543001	50	120/240	7.2 KV	POLE	Batouche Range
RR-15	WESTINGHOUSE	87-03E1387-001	15	120/240	7.2 KV	POLE	Batouche Range
RWR-1	MALONEY	381-56	75	120/240	7.2 KV	POLE	Reichwall Range
RWR-1	CARTE	6895-001	75	120/240	7.2 KV	POLE	Reichwall Range
SW-6 (FIELD PHASE)	MALONEY	A2033-1	15	120/208	7.2 KV	POLE	Swan Lake
SW-6 (CENTER PHASE)	MALONEY	A2033-2	15	120/208	7.2 KV	POLE	Swan Lake
SW-6 (ROAD PHASE)	MALONEY	A2033-3	15	120/208	7.2 KV	POLE	Swan Lake
SW-8	WESTINGHOUSE	LD59197	75	120/240	7.2 KV	POLE	Swan Lake
SW-8 (ROAD PHASE)	MALONEY	A2034-1	75	347/600	7.2 KV	POLE	Swan Lake
SW-8 (CENTER PHASE)	MALONEY	A2034-2	75	347/600	7.2 KV	POLE	Swan Lake

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SW-8 (FIELD PHASE)	MALONEY	A2034-3	75	347/600	7.2 KV	POLE	Swan Lake
SW-11 IROC	COOPER	CP1750000262		347/600	12.47 KV	PAD	1Km past ASA on Left
TA-1	MALONEY	A1738-485	25	120/240	7.2 KV	POLE	
TA-10	MALONEY	A1738-491	25	120/240	7.2 KV	POLE	CRI Building Verdun
TB-11	WESTINGHOUSE	713437	10	120/240	7.2 KV	POLE	FP 3,4,5
TB-16	MALONEY	A2724-93	15	120/240	7.2 KV	POLE	FP 3,4,5
TB-18	MALONEY	A1737-496	15	120/240	7.2 KV	POLE	FP 3,4,5
TB-21	WESTINGHOUSE	17EOZ28-62	10	120/240	7.2 KV	POLE	FP 3,4,5
TB-22	MALONEY	A2005-279	15	120/240	7.2 KV	POLE	FP 3,4,5
BIO PAD	MALONEY	A6898-143	10	120/240	7.2 KV	POLE	FP4 off Shirley 200 yds
VR-1	MALONEY	A2164-408	25	120/240	7.2 KV	POLE	Vimy Range
VR-2	PIONEER	G10293-2	25	120/240	7.2 KV	PAD	Vimy Range
WTP-4	MALONEY	A2725-268	25	120/240	7.2 KV	POLE	Worthington Tank
WTP-100	MALONEY	A2725-271	25	120/240	7.2 KV	POLE	Worthington Tank
PC HIGHWAY 7	WESTINGHOUSE	LC27-435	10	120/240	7.2 KV	POLE	Petersville Camp

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LOCATION	MANUFACTURER	SERIAL NUMBER	KVA	SEC VOLTS	PRIVOLTS	TYPE	COMMENTS
MONCTON 1 (ROAD PHASE)	MALONEY	A1920-3	50	120/208	7.2 KV	POLE	
MONCTON 1 (CENTER PHASE)	MALONEY	A1920-1	50	120/208	7.2 KV	POLE	
MONCTON 1 (FIELD PHASE)	MALONEY	A1920-2	50	120/208	7.2 KV	POLE	
MONCTON 2 (FIELD PHASE)	MALONEY	866-52	75	347	7.2 KV	POLE	
MONCTON 2 (CENTER PHASE)	MALONEY	866-48	75	347	7.2 KV	POLE	Right Side Bldg 1
MONCTON 2 (ROAD PHASE)	MALONEY	866-38	75	347	7.2 KV	POLE	
MONCTON 2	WESTINGHOUSE	8903E4766-001	100	120/240	7.2 KV	POLE	Backside
MONCTON 42	WESTINGHOUSE	8903E4766-008	100	120/240	7.2 KV	POLE	
MONCTON 47/48	CARTE	1B039-001	500	347/600	7.2/12.4 KV	PAD	
MONCTON 47/48	CARTE	2B179-001	500	347/600	7.2/12.4 KV	PAD	
MONCTON 52	RELIANT	KW8855-8	100	120/240	7.2 KV	POLE	
MONCTON 60 (ROAD PHASE)	CARTE	TO191-003	50	120/240	2.4/7.2 KV	POLE	
MONCTON 60 (CENTER PHASE)	CARTE	TO191-002	50	120/240	2.4/7.2 KV	POLE	
MONCTON 60 (FIELD PHASE)	CARTE	TO191-001	50	120/240	2.4/7.2 KV	POLE	
MONCTON 60A (FIELD PHASE)	WESTINGHOUSE	89-03E-4762-019	75	120/208	7.2 KV	POLE	
MONCTON 60A (CENTER PHASE)	WESTINGHOUSE	89-03E-4762-024	75	120/208	7.2 KV	POLE	
MONCTON 60A (ROAD PHASE)	WESTINGHOUSE	89-03E-4762-022	75	120/208	7.2 KV	POLE	
MONCTON 70	FERRANTI-PACKARD	110925	50	120/240	7.2/14.4 KV	POLE	