



INVITATION TO TENDER ("ITT") No. PS08034

SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS

Tenders are to be addressed to the Office of the City Clerk, and delivered to the Courier Delivery Drop-Off Office, 1st Floor, Vancouver City Hall, 453 West 12th Avenue, Vancouver, British Columbia, Canada, V5Y 1V4 prior to the Closing Time: 3:00:00 P.M. Vancouver Time (as defined in Note 2 below), Tuesday March 18, 2008 and opened publicly Wednesday March 19, 2008 at 11:00:00 A.M.

NOTES:

1. Tenders are to be in sealed envelopes or packages marked with the Tenderer's Name, the ITT Title and Number.
2. The Closing Time will be conclusively deemed to be the time shown on the clock at the Courier Delivery Drop-Off Office for this purpose.
3. DO NOT SUBMIT BY FAX

All queries related to this ITT shall be submitted
in writing to the attention of:

Alison Hall,
Buyer

Fax: 604.873.7057 E-mail: purchasing@vancouver.ca

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PART A - INSTRUCTIONS TO TENDERERS**

NOTE: The definitions set out in Section 1.0 of Part B - General Conditions apply throughout this ITT, including this Part A of this ITT, except where otherwise expressly stipulated or the context otherwise requires.

1.0 Description of Requirement

- 1.1 Tenders are invited for the supply and delivery of ten (10) Recycling Trucks for pick-up of recyclable materials from Vancouver residences in accordance with the Requirements of this ITT for the City of Vancouver (the "City").
- 1.2 Tenderers are to submit Tenders for the full Requirements only. Partial responses may be put aside and given no consideration.
- 1.3 The City will only consider Tenders for complete units ("Units") as described in Appendix 4 - *Detailed Equipment Specifications and Compliance Matrix*.
- 1.4 Immediately upon receipt of this ITT, please advise by facsimile or e-mail whether or not you intend to submit a Tender by completing and submitting Appendix 1 - *Response Notification Form* to the fax or e-mail address listed on the Cover Page of this ITT on or before the Response Notification Deadline (as defined in Appendix 1 - *Response Notification Form*).

2.0 Contract Term

- 2.1 The Term of any Contract awarded as a result of this ITT will start on the Effective Date and not expire until after the expiry of any applicable warranty period(s).

3.0 Pricing

- 3.1 Pursuant to Part A - Section 12.2, Tenders are irrevocable and therefore the pricing within the Tender is also irrevocable and may not be withdrawn or altered after the Closing Time.
- 3.2 Prices are to be quoted in Canadian currency (and exclusive of all taxes, F.O.B. destination to the Delivery Site(s), with all freight, unloading at destination, import duties, brokerage, royalties, handling, overhead, profit and all other costs included).

4.0 Inquiries and Clarifications

- 4.1 It is the responsibility of the Tenderer to thoroughly examine these documents and satisfy itself as to the full requirements of this ITT. Inquiries are to be in written form only, faxed or e-mailed to the contact person shown on the cover page. If required, an addendum will be issued to all Tenderers.

5.0 Conduct of the Contract

- 5.1 The City's Manager - Materials Management shall have the conduct of the ITT on behalf of the City and will be the City's Designated Representative under the Contract.

6.0 Inspection of Site - Intentionally Omitted

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7.0 Submission of Tender

- 7.1 The response to this ITT with all accompanying schedules, appendices or addenda submitted by the Tenderer will be received up to the Closing Time. Tenders are to be submitted utilizing Part E - Tender Form of this ITT and then enclosed in a sealed envelope or package, marked with the Tenderer's name and the ITT title and number.
- 7.2 Tenders are to submit their Tenders in the following format:
- Part E - Tender Form
 - Documents Required pursuant to Table on First Page of Tender Form
 - Appendix 2 - Certificate of Existing Insurance
 - Appendix 4 - Detailed Equipment Specifications and Compliance Matrix
- 7.3 Tenders received after the Closing Time or in locations other than the Courier Delivery Drop-Off Office, may or may not be accepted and may be returned unopened. The City may elect to extend the Closing Time.
- 7.4 The Tenderer shall submit three (3) copies of its Tender in accordance with the instructions stated in this ITT.
- 7.5 Tenders are to be submitted in English.
- 7.6 The Tenderer is to enter its corporate or legal business name on the first page of Part E -Tender Form. The Tender Form is to be signed in the place provided by an authorized signatory of the Tenderer. All other pages of the Tender Form are to be initialled by the authorized signatory in the spaces provided.
- 7.7 Amendments to a Tender may only be submitted if delivered in writing prior to the Closing Time in a sealed envelope or package, marked with the Tenderer's name and the ITT title and number.
- 7.8 Tenders are irrevocable after the Closing Time and so may only be withdrawn by written notice duly signed by the Tenderer's authorized signatory delivered to the office of the City Clerk prior to the Closing Time.
- 7.9 All costs associated with the preparation and submission of the Tender, including any costs incurred by the Tenderer after the Closing Time, will be borne solely by the Tenderer.
- 7.10 By submitting a Tender, the Tenderer acknowledges and agrees that the liability of the City in connection with the ITT, the conduct or outcome of the ITT, all related processes, decisions and procedures, and any and all duties and obligations in connection with all of the foregoing, is limited in the aggregate to the maximum of \$1,000 (for any and all claims by the Tenderer combined with any and all claims of all other Tenderers and any and all other claimants in connection with the ITT), and that if payment is made by the City into Court (or into trust, for the benefit of all Tenderers and other such claimants, with a law firm reasonably selected for the purpose) of the said sum of \$1,000, then:
- a) that will be sufficient to fully release and discharge the City from all further liability; and

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- b) the Tenderer will, upon the request from time to time of the City, execute and deliver a release (in such form as the requesting party may reasonably prescribe).

8.0 Bid and Performance Security

- 8.1 No bid security is required as part of this ITT.
- 8.2 The Tenderer shall include with its Tender proof of ability to provide a Letter of Credit in the amount(s) set out in Part C - Special Conditions - Section 1.0 "Proof of Ability to Provide Letter of Credit and Insurance".

9.0 Declaration – No conflict of Interest/ No Collusion

9.1 Declaration as to Conflict of Interest

The Tenderer now confirms and warrants that there is no officer, director, shareholder, partner or employee or other person related to the Tenderer's or organizations (a "person having an interest") or any spouse, business associate, friend or relative of a person having an interest who is:

- (a) an elected official or employee of the City; or
- (b) related to or has any business or family relationship with any elected official or employee of the City, such that there would be any conflict of interest or any appearance of conflict of interest in the evaluation or consideration of this Proposal by the City, except as set out in Part E - Form of Tender, Section 1.2.

9.2 Declaration as to Collusion

The Tenderer now confirms and warrants that

- (a) the Tenderer has no affiliation, whether legal or financial, with any other entity which is in the business of providing the same type of goods or services which are the subject of this ITT; and
- (b) the Tenderer is not competing within this ITT process with any entity which it is legally or financially associated or affiliated, except as set out Part E - Form of Tender, Section 1.3.

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10.0 Evaluation of Tenders

- 10.1 Tenders will be evaluated on the basis of the overall best value to City based on quality, service, price and any other criteria set out in this ITT including, but not limited to:
- a) the Tenderer's ability to meet the Requirements, qualifications and competencies set out in this ITT;
 - b) financial offer including but not limited to prices, operating and maintenance costs, warranty, and any life cycle considerations;
 - c) the Tenderer's business and technical reputation and capabilities; experience and where applicable, the experience of its personnel; financial stability; track record; and references of current and former customers;
 - d) equipment quality, configuration, age and condition; and
 - e) any other criteria set out in the ITT or otherwise reasonably considered relevant.
- 10.2 The City may elect to short list some of the Tenderers and require short listed Tenderers to provide additional information or details, including making a presentation, supplying samples, demonstrations, and/or additional technical literature. Samples of items, when required, must be submitted within the time specified and at no expense to the City. If not destroyed in testing, they will be returned at the Tenderer's request and expense.
- 10.3 Prior to Contract award, the Tenderer must demonstrate financial stability. Should the City so request, the Tenderer is required to provide annual financial reports or a set of financial statements prepared by an accountant and covering the last two (2) fiscal years.
- 10.4 The City may, prior to Contract award, negotiate changes to the scope of the Work, the materials, the Specifications or any conditions with any one or more of the Tenderers without having any duty or obligation to advise any other Tenderers or to allow them to vary their prices as a result of changes to the scope of Work, the materials, the Specifications, or any conditions, and the City shall have no liability to any other Tenderer as a result of such negotiations or modifications.
- 10.5 All sub-contractors of the Tenderer will be subject to the same evaluation process. It is the responsibility of the Tenderer to guarantee that all its sub-contractors will comply with all the Requirements and terms and conditions set out in this ITT.
- 10.6 Preference may be given to Tenders offering environmentally beneficial products or services.

11.0 Acceptance and Rejection of Tenders

- 11.1 Notwithstanding any other provision in the ITT documents, the City has in its sole discretion, the unfettered right to:
- a) accept any Tender;
 - b) reject any Tender;

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- c) reject all Tenders;
 - d) accept a Tender which is not the lowest Tender;
 - e) accept a Tender that deviates from the Requirements, Specifications or the conditions specified in this ITT;
 - f) reject a Tender even if it is the only Tender received by the City;
 - g) accept all or any part of a Tender; and
 - h) split the Requirements between one or more Tenderers.
- 11.2 All Tenders are irrevocable and remain open for acceptance for one hundred and twenty (120) days after the Closing Time, whether or not another Tender has been accepted.
- 11.3 Any deviations from the Requirements, Specifications or the conditions specified in this ITT, must be clearly stated in the Tender. The City will be the sole judge as to what constitutes an acceptable Tender deviation. If no deviations are indicated in the Tender, the Tender constitutes a legally binding offer by the Tenderer to perform in full compliance with the Requirements, Specifications and conditions of this ITT.
- 11.4 The City may waive any non-compliance with the ITT, the Requirements, the Specifications, or any conditions, including the timing of delivery of anything required by this ITT and may elect to retain for consideration Tenders which are non-conforming, which do not contain the content or form required by the ITT or which have not complied with the ITT process for submission.
- 12.0 Award of Contract**
- 12.1 Award of a Contract is contingent on funds being approved and the contract award being made by City Council, if applicable.
- 12.2 The City will notify the successful Tenderer(s) in writing that it has been awarded the Contract by issuing a Notice of Award.
- 12.3 The Notice of Award and subsequent purchase order terms and conditions, excluding the provision titled "The City's Offer", will apply unless otherwise agreed in writing by the City.
- 12.4 The Notice of Award, Tender, ITT, purchase order(s), and such other documents including all amendments or addenda, will form the basis for the Contract between the Contractor and the City. In the event of a conflict between any of the Contract Documents, the following documents will take precedence and govern over each other in the following order of priority from highest to lowest:
- a) the Notice of Award,
 - b) subject to Section 12.3, the City's purchase order including the standard purchase order terms and conditions (which may be downloaded from www.city.vancouver.ca/bid/terms.htm);
 - c) or any mutually agreed to written amendments between the Tenderer and the City;
 - d) the Tender; and

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e) the ITT and any subsequent addenda.

12.5 Where the head office of the successful Tenderer is located within the City of Vancouver and/or where the successful Tenderer is required to perform any Work at a site located within the City of Vancouver, the successful Tenderer is required to have a valid City of Vancouver business license prior to Contract execution.

12.6 The City is not under any obligation to award a Contract and may elect to terminate this ITT at anytime.

13.0 Quantities

13.1 The quantities stated in this ITT are the City's best estimates of its requirements and should not be relied on. Actual quantities may vary.

14.0 Brand Names

14.1 Unless otherwise stated, if and wherever the Specifications state a brand name, make, name of manufacturer, trade name, or vendor catalogue number, it is for the purpose of establishing a grade or quality of goods, material, equipment and/or services only. It is not intended to rule out competition from equal brands or makes. If, however, a product other than that specified is offered, it is the Tenderer's responsibility to name such a product in its Tender. Evidence of equality in the form of samples may be requested.

15.0 Alternates and/or Variations to Specifications

15.1 Except where otherwise stated, the Specifications describe what is considered necessary to meet the performance requirements of the City and Tenderers should bid in accordance with such Specifications, or if the Tenderer cannot meet the Specifications, the Tenderer may offer an alternative which it believes to be the equivalent.

15.2 Tenderers shall clearly indicate any variances from the City's Specifications or conditions no matter how slight. The attachment of descriptive literature from which variations may be gleaned will not be considered as a sufficient statement of variations.

15.3 If in addition to bidding on goods, materials, equipment and/or services that meet the Specifications, the Tenderer wishes to offer an alternative, the alternative Tender shall be submitted separately in the same format as the initial Tender.

15.4 The City is not obligated to accept any alternatives.

15.5 The City will determine what constitutes allowable variations.

16.0 Environmental Responsibility

16.1 The City is committed to preserving the environment. Tenderers shall provide environmentally sensitive products or services wherever possible. Where there is a requirement that the Contractor supplies materials, and where such materials may cause adverse effects, the Tenderer shall indicate the nature of the hazard in its Tender.

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16.2 The Tenderer agrees to advise the City of any known alternatives or substitutes for such materials that would mitigate the effects of any adverse conditions on the environment.

17.0 Named Sub-contractors

17.1 The Tenderer agrees that the sub-contractors shown in its Tender are the sub-contractors that it proposes to use to carry out the Requirements. The Tenderer agrees to engage the listed sub-contractors and no others in their stead without prior written authorization of the City.

17.2 The City may or may not reject Tenders from any Tender that proposes to sub-contract all or substantially all of the Requirements.

18.0 Access to/Ownership of Tender Information

18.1 ITT Documents Remain/Tender Becomes - City's Property

(a) All Tender packages and addenda provided to the Tenderer by the City remain the property of the City and must be returned to the City upon request.

(b) The documentation containing the Tender, once submitted to the City, becomes the property of the City, and the City is under no obligation to return the Tender.

18.2 Tenderer's Submission Confidential

Subject to the applicable provisions of the *Freedom of Information and Protection of Privacy Act* (British Columbia) and the City's full right to publicly disclose any and all aspects of the Tender in the course of publicly reporting to the Vancouver City Council on the Invitation to Tender results or announcing the results of the Tenders to the Tenderer, the City will treat all material and information expressly submitted by the Tenderer (and the City's evaluation of it) in confidence in substantially the same manner as it treats its own confidential material and information.

The Tenderer now irrevocably waives all rights it may have by statute, at law or in equity, to obtain any records produced or kept by the City in evaluating its Tender (and any other submissions) and now agrees that under no circumstances will it make any application to the City for disclosure of any records pertaining to the receipt, evaluation or selection of its Tender (or any other submissions) including, without limitation, records relating only to the Tenderer.

18.3 All City Data/Information is Confidential

The Tenderer will not divulge or disclose to any third parties any information concerning the affairs of the City which may be communicated to the Tenderer at any time (whether before or after the Closing Time). Recognizing the need for confidentiality of the City's data, files and other confidential information, the Tenderer will not use, exploit or divulge or disclose to third parties any confidential or proprietary information of the City of which the Tenderer may gain knowledge in connection with or in the course of discussions or negotiations with the City.

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All material and information that has or will come into the Tenderer's possession or knowledge in connection with this Tender process is confidential and may not be disclosed or utilized in any way except in accordance with this Invitation to Tender.

18.4 Disclosure Requires Prior Consent

The Tenderer may not divulge any information respecting the Tender process to any third party without the prior written consent of the City, which consent may be arbitrarily withheld unless it is information which the City has already made public or has been required to disclose pursuant to the *Freedom of Information and Protection of Privacy Act* (British Columbia).

18.5 Declaration of Confidentiality

The Tenderer now declares and agrees that, except for the information disclosed by the City in the course of publicly reporting to the Vancouver City Council or any public tender opening:

- (a) the information supplied by the Tenderer in response to this Invitation to Tender is expressly provided in strict confidence;
- (b) any records made of the evaluation of the Tenderer's Tender and all other submissions will be the property of, and private to, the City and will not be disclosed to the Tenderer nor anyone else;
- (c) the disclosure of the information in items (a) and (b) above to anyone outside of the City's staff would reveal the Tenderer's trade secrets or proprietary commercial information concerning its private business affairs; and
- (d) the disclosure of the information in items (a) and (b) above, could reasonably be expected to harm the Tenderer's competitive position, harm the City's ability to engage in competitive procurement of goods and services, and result in undue financial loss to the Tenderer and/or the City.

19.0 Special Conditions

- 19.1 Where Special Conditions are attached to this ITT and they conflict in any way with any other part of this ITT, the Special Conditions shall take precedence.

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PART B - GENERAL CONDITIONS**

1.0 Definitions

The following words and terms, unless the context otherwise requires, shall have the meanings set out below. Words including the singular number include the plural and vice versa.

"Act of God" means a cataclysmic phenomenon of nature, including earthquake, flood or cyclone. Rain, snow, wind, high water or any other natural phenomenon, which might reasonably have been anticipated from historical records of the general locality of the City, shall be deemed not to be acts of God;

"BC Motor Vehicle Legislation" means all British Columbia legislation relating to the equipping and manufacturing of vehicles for operation in British Columbia and includes without limitation and by way of example only, the *Commercial Transport Act*, *Commercial Transport Regulations*, *Motor Vehicle Act*, and *Motor Vehicle Regulations* of British Columbia.

"City" means the City of Vancouver, a municipal corporation continued pursuant to the *Vancouver Charter*;

"City's Designated Representatives" means the City's employees or representatives who are authorized in writing to deal with the Contractor on behalf of the City in connection with the goods, materials, equipment and services or to make decisions in connection with the Contract, and includes the person or person holding the title set out in Part A - Section 5.0 - *Conduct of Contract*;

"Closing Time" means the closing date, time, and place as set out on the title page of this ITT;

"Contract" means the agreement formed between the City and the Contractor as evidenced by the City's issuance of a Notice of Award;

"Contract Documents" means the ITT, any Amendments or Addenda issued pursuant to this ITT, the Contractor's Tender, any City purchase order, and any changes to the foregoing agreed to in writing by the parties;

"Contract Price" means the price(s) for the Product and Work set out in the Tender Form;

"Contractor" means the successful Tenderer (whether an individual, partnership, corporation or combination of same, including joint venturers) who or which executes the Tender which is then accepted in writing by the City;

"Delivery Date" means the date(s) on which the City requires the Contractor to deliver the goods to the City's Delivery Site;

"Delivery Site" means City of Vancouver, Equipment Services Branch, Manitoba Works Yard, 250 West 70th Avenue, Vancouver, B.C., V5X 2X1, unless otherwise stated in this ITT;

"Effective Date" means that date which is 7 days after the date of award of this Contract by the City to the Contractor;

"F.O.B." means all costs of freight, insurance, brokerage, customs duties and all other costs of delivery to the site named as F.O.B. will be borne by the Contractor and that ownership and title to all goods, materials, and equipment are transferred to the City when same are delivered by the Contractor to the City and the risk of loss or damage to the goods, materials

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and equipment transfers to the City only at such time as same are received and accepted by the City at the site named as "F.O.B." or "Delivery Site";

"GST" means the goods and services tax administered under the *Excise Tax Act* (Canada) and any successor tax or levy therefor in force from time-to-time;

"ITT" means this Invitation to Tender including, but not limited to: Part A - Instructions to Tenderers; Part B - General Conditions; Part C - Special Conditions; Part D - Requirements; Part E - Tender Form; Appendix 1 - Response Notification Form; Appendix 2 - Certificate of Existing Insurance; Appendix 3 - Certificate of Insurance; Appendix 4 - Detailed Equipment Specifications and Compliance Matrix and any additional attachments listed in the Table of Contents; and any amendments, addenda, and/or clarifications pertaining to this ITT that may be issued prior to the Closing Time;

"Letter of Credit" means the security for performance required to be posted by the Contractor pursuant to Part B - General Conditions - Section 20.9 and the Notice of Award;

"Minimum Warranty Period" means the period of time starting on the Effective Date and expiring one year after the Warranty Start Date for the last Unit delivered to and accepted by the City under this Contract;

"Notice of Award" means the document duly signed by an authorized signatory for the City evidencing the City's acceptance of the successful Tenderer's Tender by way of a signed copy of the "Acceptance" portion of Part E - Tender Form;

"Product" means, depending on the context, one or more Units;

"PST" means British Columbia provincial sales tax administered under the *Social Service Tax Act* and any successor tax or levy therefor in force from time-to-time;

"Requirements" means all of the Specifications, requirements and obligations of the Contractor set out in this ITT;

"Security Clearance" means that level of security clearance required by the City or its police department for Contractor personnel accessing the information or premises required to be accessed in order to perform the Work under this Contract;

"Specifications" means that part of the Requirements set out in Appendix 4 - *Detailed Equipment Specifications and Compliance Matrix*;

"Tender" means an offer submitted by the Tender in response to this ITT and in substantial compliance with this ITT;

"Tenderer" means the individual, partnership, corporation or combination of same, including joint venturers, who or which are named as such on the first page of Part E - Tender Form;

"Unit" means One (1) complete Recycling Truck (inclusive of body, cab & chassis and all other physical items set out in the Requirements);

"Warranty" has the meaning set out in Section 14.0 - *Warranty* of these General Conditions;

"Warranty Start Date" has the meaning set out in Section 14.5 of these General Conditions;

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"WorkSafeBC" means the Workers Compensation Board, a provincial Crown corporation created pursuant to the *Workers Compensation Act* (British Columbia);

"WorkSafeBC Rules" means the *Workers Compensation Act* (British Columbia), including without limitation, the *Occupational Health & Safety Regulation* enacted pursuant to such Act, all as such Act or Regulations are amended or re-enacted from time to time;

"Work" means all the labour, materials, equipment, supplies, services and other items necessary for the execution, completion and fulfilment of the Requirements;

"Work Schedule" means those Requirements which relate to the dates and times by which the Contractor is required to deliver the Product and Work;

"Work Site" means the site where the Work is being performed.

2.0 Notices

2.1 Any notice required to be given in regards to the Contract(s) shall be given in writing and if addressed to the City will be sent to the civic address, fax number or e-mail address provided by the City from time to time for the City's Designated Representative, and if to the Contractor will be sent to the civic address, fax number, or e-mail address set out in its Tender or otherwise provided by the Contractor from time to time.

2.2 No notice will be deemed to have been received by the recipient unless and until its receipt is acknowledged by the recipient or, alternatively, is delivered by hand or sent by registered mail to the civic address (in which case it will be deemed to have been received on the first business day after its actual receipt or arrival at such civic address).

3.0 Assignment

3.1 Neither the Tender nor the Contract (nor any of the rights of payment under the Contract Documents) may be assigned, sub-let, or otherwise disposed of transferred in any way nor in whole or in part by the Contractor (except as expressly named and disclosed in the Section 5.1 of the Tender Form or expressly permitted pursuant to Section 5.0 below) without the prior written consent of the City, which consent may be arbitrarily withheld.

3.2 In the event that the City consents to any such assignment or other disposition, the Contractor will not be relieved of any of its obligations under the Contract and will remain fully liable under the Contract to perform the Requirements.

4.0 Independent Contractor

4.1 The Contractor, its sub-contractors, the officers, directors, shareholders, partners, personnel, affiliates and agents of the Contractor and its sub-contractors are not, nor are they to be deemed to be, partners, appointees, employees or agents of the City.

5.0 Sub-Contractors

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- 5.1 Subject to Section 5.2, the Contractor will not assign, sublet, subcontract, or let out as task work any part of the Requirements to any third party, without in each case the prior written consent of the City which consent the City may arbitrarily withhold.
- 5.2 Despite Section 5.1 above, the Contractor may utilize those sub-contractors expressly named in Section 5.1 of the Tender Form but only for the Area of Responsibility set out beside their name, provided always that the Contractor may not substitute or replace those sub-contractors, or permit those sub-contractors to further assign, sub-let, subcontract, or let out as task work their obligations under the Contract Documents, except in accordance with Section 5.1 above.
- 5.3 If the City should consent to any such assignment, subletting or letting out as task work of all or any part of the Requirements, the Contractor shall in no way be relieved from its responsibility for the fulfilment of the Work, but shall continue to be responsible for the same in the same manner as if all the Work had been performed by the Contractor.

6.0 Time of the Essence

- 6.1 For all requests made by the City pursuant to the Contract, time is of the essence. The acceptance of a late performance, with or without objections or reservations by the City, shall not waive the right to claim damages for such breach nor constitute a waiver of the requirement of timely performance of any obligation remaining to be performed.

7.0 Laws, Permits and Regulations

- 7.1 The laws of British Columbia shall govern the Contract and the parties now irrevocably attorn to the jurisdiction of the courts of British Columbia.
- 7.2 All provisions of the *International Sale of Goods Act* are specifically excluded from application of this Contract.
- 7.3 In carrying out the Requirements, the Contractor shall familiarize itself and comply with all applicable laws, bylaws, regulations, ordinances, codes, specifications and requirements of all regulatory authorities, and shall obtain all necessary licenses, permits and registrations as may be required by law.

8.0 Workplace Hazardous Materials Information System ("WHMIS")

- 8.1 The Contractor shall provide appropriate labels and material safety data sheets for WHMIS regulated products. No product containing asbestos shall be supplied at any time without written authorization from the City.

9.0 Product Standards

- 9.1 The Product shall comply with all standards referred to in the Specifications.
- 9.2 All electrical items shall comply with the relevant sections, latest editions, of versions of the Canadian Standards Association (CSA) standard C22.1, Canadian Electrical Code (CEC), Electrical Safety Branch - BC Amendments to CEC Regulations and Bulletins, the City's Electrical Bylaw, and the National Building Code.

10.0 Changes in Requirements

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10.1 City May Request

The City may, by giving written notice to the Contractor, be entitled to request amendments to the Requirements. Upon receipt of such notice, the Contractor will, as soon as practicable and in no event later than 5 days after receipt of such notice, inform the City of any adjustments to the Work Schedule or Contract Price, either advancing or delaying the Work Schedule or increasing or decreasing the Contract Price, that would be necessitated by such change in the Requirements, or will notify the City that no adjustment is required. If adjustments to the Work Schedule or Contract Price are necessary and the City confirms in writing that such adjustments are acceptable to it, the Requirements, Work Schedule, and the Contract Price will then be deemed to be amended as agreed by the City.

10.2 Disputes Over Requested Change

If the City determines that such adjustments, or no adjustments, to the Work Schedule or Contract Price are unacceptable and the City and the Contractor are unable to agree on a mutually acceptable adjustment to same, the City may elect to pursue any one of the following options:

- (a) The City may refer the issue to arbitration to determine the appropriate adjustments pursuant to Section 25.0 - *Dispute Resolution* (in which case the parties will be deemed to have mutually and irrevocably agreed to arbitration pursuant to Section 25.1).
- (b) The City may proceed with this Contract without the proposed change in Requirements.
- (c) The City may cancel all or any part of the Contract, provided the City gives the Contractor at least
 - (i) 90 days prior written notice of cancellation with respect to any given category of Product or Work (as those categories are set out in Tender Form), or
 - (ii) 120 days prior written notice of cancellation with respect to a cancellation of all Product and Work (excluding any and all Product and Work already delivered).

10.3 Disputes as to Requirements (Where No Prior Change Request)

The City's Designated Representative may issue orders or instructions with respect to the timing, quality and quantity of the Work. They will be obeyed, performed and complied with by the Contractor promptly, efficiently and to the satisfaction of the City. However, if the Contractor is of the opinion that such orders or instructions are not authorized under the provisions of the Contract Documents or involve a change in the Requirements, it will so notify the City in writing before proceeding to carry them out and, in any event, within 2 days of the receipt of such orders or instructions. The giving of such notice to and receipt by the City's Designated Representative will not constitute an acknowledgment by the City as to the validity of the claim, and the will then be at liberty to contest or dispute the claim. If the Contractor does not so notify the City within the time so limited, it will not be entitled to later claim that the orders or instructions were not so authorized or involved a change in the Requirements.

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Nevertheless, the giving of such notice to the City will not relieve the Contractor of its obligation to carry out and to obey such orders or instructions.

11.0 Delivery

11.1 Deliveries must be made between 8:00 a.m. and 3:00 p.m. Monday to Friday, excluding statutory holidays, unless other arrangements have been agreed in writing. A material safety data sheet ("MSDS") must accompany all shipments containing products regulated under WHMIS legislation.

12.0 Quality of Workmanship and Materials

12.1 The Contractor shall perform the Work with the degree of care, skill and diligence normally applied in the performance of services of a similar nature and in accordance with sound current professional practices and conforming to the requirements set out in the ITT.

12.2 Materials, goods and equipment shall be new, free and clear of all liens, charges and encumbrances, the latest model, complete with all necessary accessories for operation and be the products of suppliers or manufacturers of established reputation engaged in the supply or manufacture of such materials or equipment.

12.3 Materials are to be applied in accordance with the manufacturer's directions and shall use the techniques and applications best suited for the type of material being used.

13.0 Inspection

13.1 All goods, materials, equipment and/or services are subject to inspection and approval upon delivery. The City has the right to refuse acceptance of such goods, materials, equipment and/or services that are not in accordance with the Specifications, Requirements or the Contractor's warranty (expressed or implied).

13.2 Acceptance or rejection of the goods, materials, equipment and/or services shall be made as promptly as practical, but failure to inspect and accept or reject the goods, materials, equipment and/or services shall not relieve the Contractor from responsibility for such goods, materials, equipment and/or services that are not in accordance with the Contract.

13.3 The City shall be the final judge of all goods, materials, equipment and/or services in respect of both quality and quantity and its decisions of all questions in dispute with regard thereto will be final. Materials, goods or equipment not accepted will be returned to the Contractor at the Contractor's expense.

13.4 The City will not be deemed to have accepted the goods, materials, equipment and/or services by virtue of a partial or full payment for them.

14.0 Warranty

14.1 The Warranty set out in this Section 14.0 is the minimum warranty under this Contract. The Contractor is bound by all additional warranties set out in the Specifications and, where the City has selected any separately priced additional, optional or extended warranties by indicating same in the Notice of Award, the Contractor and City will be bound in the manner set out in the Notice of Award.

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- 14.2 The Contractor warrants that, for at least 1 year from the Warranty Start Date, the Unit supplied to, and Work performed by the Contractor for, the City will be in full conformity with the Requirements as well as samples, if any, and if so, then this is a sale by sample as well as by description within the meaning of the *Sale of Goods Act* (British Columbia).
- 14.3 The Contractor further warrants that for at least 1 year from the Warranty Start Date, the Unit and Work will be of merchantable quality, and fit for the intended use and will perform according to the Requirements.
- 14.4 The warranty set out in Sections 14.2 - 14.3 above will include all parts and labour delivered and performed at the location of delivery of the Unit to the City.
- 14.5 The warranty start date ("Warranty Start Date") for each Unit is the date on which the City puts that Unit into service, or three months after acceptance of the Unit, whichever is sooner.
- 14.6 The City will notify the Contractor of the date that the Unit goes into service.
- 14.7 The warranty is to be in the name of the City of Vancouver, Equipment Services Branch.
- 14.8 The Contractor now warrants that all claims and representations made by the Contractor with respect to third party products and services have been fully authorized by that third party.
- 14.9 The Contractor warrants that its employees have the qualifications, experience, knowledge, skills and abilities necessary for the fulfilment of the Contract.
- 15.0 Protection of Person and Property**
- 15.1 The Contractor shall use due care that no persons are injured, no property damaged or lost, and no rights are infringed in the performance of the Requirements, and the Contractor shall be solely responsible for all loss, damages, costs and expenses in respect of any injury to persons, damage of property, or infringement of the rights of others incurred in the performance of the Requirements or caused in any other manner whatsoever by the Contractor or those for whom in law it is responsible.
- 15.2 The Contractor shall effectively warn and protect the public and other personnel from any danger as a result of the performance of the Requirements.
- 16.0 Rectification of Damage and Defects**
- 16.1 The Contractor shall rectify any loss or damage for which, in the opinion of the City the Contractor is responsible, at no charge to the City and to the satisfaction of the City. Alternatively, the City may repair the loss or damage and the Contractor shall pay to the City the costs of repairing the loss or damage forthwith upon demand from the City. Where, in the opinion of the City, it is not practical or desirable to repair the loss or damage, the City may estimate the cost of the loss or damage and deduct such estimated amount from the amount owing to the Contractor hereunder.
- 17.0 Clean Up - Intentionally Omitted**

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18.0 Indemnification

- 18.1 The Contractor shall indemnify, hold and save harmless the City from and against all claims, losses, damages, costs, actions and other proceedings made, sustained, brought or prosecuted in a manner based upon, occasioned by or attributable to any injury, including death, property damage, infringement or damage arising from any act or omission of the Contractor, its employees, officers, volunteers, servants, sub-contractors, or agents or persons for whom the Contractor has assumed responsibility in the performance or purported performance of the Requirements.
- 18.2 The Contractor shall indemnify the City from and against any and all liability or expenses by way of legal costs or otherwise in respect of any claim which may be made for a lien or charge at law or in equity or to any claim or liability under the Builders Lien Act, or to any attachment for debt, garnishee process or otherwise.
- 18.3 The Contractor shall pay all royalties and license fees and shall save the City harmless from loss on account of suits or claims of infringement of patents in the performance of the Requirements.
- 18.4 The Contractor shall assume the defense of, and indemnify and hold harmless the City and its officers, employees and agents, from and against all claims relating to materials, goods or equipment furnished and to inventions, copyrights, trade marks, or patents and rights thereto used by the Contractor in the execution of the Contract and in subsequent use and/or operation by the City.

19.0 Termination

- 19.1 The City will advise the Contractor by written notice of its intent to terminate the whole or any part of the Contract in any one of the following circumstances:
- a) if the Contractor fails to make delivery of the goods, materials, equipment and/or services within the time specified, or fails to perform any other provisions, terms or conditions of the Contract within the time specified, or within a reasonable time if no time is specified;
 - b) in the event that the Contractor performs any act or does anything by which the City shall incur any liability whatsoever;
 - c) any failure of the Contractor to meet the safety requirements of the Contract;
 - d) in the event that any creditor of the Contractor causes a writ of execution or similar writ or court order to be served upon the City requiring the City to pay any portion due to the Contractor under the Contract; or
 - e) in the event that the Contractor is adjudged bankrupt or if it makes a general assignment for the benefit of creditors or if it becomes insolvent or if it should take the benefit of any Act that may be in force for bankrupt or insolvent debtors.
- 19.2 Upon termination of the Contract, the City shall have no obligation to the Contractor except for such goods, materials, equipment and/or services as have been supplied up to the date of the termination of the Contract(s).

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19.3 Upon termination of the Contract(s) in whole or in part, the City may procure similar goods, materials, equipment and/or services and the Contractor shall be liable to the City for any excess costs for such similar goods, materials, equipment and/or services. The Contractor shall not be liable for any excess costs if failure to perform arises by reason of strikes, lockouts, Acts of God or acts of the City. The City will not be liable where Delivery Sites are not available due to strikes, lockouts or Acts of God.

20.0 Insurance and Letter of Credit Requirements

20.1 Without limiting any of its obligations or liabilities under the Contract, the Contractor and its sub-contractors shall obtain and continuously carry during the term of the Contract at their own expense and cost, the following insurance coverages with minimum limits of not less than those shown in the respective items set out below.

20.2 All insurance policies shall be in a form and in amounts satisfactory from time-to-time and with insurers acceptable to the City's Director of Risk Management and shall provide the City with sixty (60) days prior written notice of cancellation or material change resulting in reduction of coverage. Notice must identify the Contract title, number, policyholder, and scope of work.

20.3 The Contractor and each of its sub-contractors shall provide at their own cost any additional insurance which they are required by law to provide or which they consider necessary.

20.4 Neither the providing of insurance by the Contractor in accordance with the requirements hereof, nor the insolvency, bankruptcy or the failure of any insurance company to pay any claim accruing shall be held to relieve the Contractor from any other provisions of the Contract Documents with respect to liability of the Contractor or otherwise.

20.5 The insurance coverage shall be primary insurance with respect to liability arising out of the operation of the Contractor. Any insurance or self-insurance maintained by or on behalf of the City, its officers, officials, employees, servants or agents shall be excess of this insurance and shall not contribute with it.

20.6 Within 7 days of the City's issuance of the Notice of Award, the Contractor shall provide the City with evidence of all required insurance in the form of Appendix 3 - *Certificate of Insurance*. The Certificate of Insurance shall identify the Contract title, number, policyholder and scope of work and shall not contain any disclaimer whatsoever. At all times thereafter, throughout the term of this Contract, similar evidence of renewals, extensions or replacement of all required insurance must be forwarded to the City's Designated Representative prior to the effective date of same. At any time, and from time to time, and within 7 days of a request for same, certified copies of all insurance policies will be made available to the City's Designated Representative.

20.7 The Contractor shall provide in its agreements with its sub-contractors clauses in the same form as those found herein. Upon request, the Contractor shall deposit with the City's Designated Representative detailed certificates of insurance for the policies it has obtained from its sub-contractors and a copy of the insurance clauses so provided in the said agreements.

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20.8 The Contractor shall obtain and maintain in full force and effect during the term of the Contract, insurance not less than that set out below and provided by a company duly registered and authorized to conduct insurance business in the Province of British Columbia.

a) Commercial General Liability

The Contractor will maintain Commercial General Liability insurance in sufficient amounts and description to protect the Contractor, its sub-contractors, the City and their respective officers, officials, employees, and agents against claims for damages, personal injury including death, bodily injury and property damage which may arise under this Contract.

The limit of commercial general liability insurance shall be not less than five million dollars (\$5,000,000) per occurrence inclusive for personal injury, death, bodily injury or property damage and in the aggregate with respect to products and complete operations. The deductible per occurrence shall not exceed two thousand five hundred dollars (\$5,000) per occurrence.

The policy of insurance shall:

- (i) be on an occurrence form;
- (ii) add the City and its officials, officers, employees and agents as additional insureds;
- (iii) contain a cross-liability or severability of interest clause;
- (iv) extend to cover non-owned automobile, contingent employer's liability, blanket contractual liability, contractor's protective liability, broad form property damage, broad form completed operations and operations of attached machinery.

b) Third Party Auto Liability Insurance

The Contractor will maintain and cause its sub-contractors to maintain Third Party Auto Legal Liability Insurance in an amount not less than five million (\$5,000,000) dollars per occurrence and Physical Damage Insurance for all vehicles owned, leased or operated by the Contractor in connection with this Contract.

c) All Risk Property Insurance

The Contractor will maintain all risks insurance protecting the Contractor and the City against physical loss or damage to each Unit and all components thereof in an amount of not less than the full Contract price and which insurance will terminate only upon safe delivery to and acceptance by the City. The policy will name the City as additional insured and loss payee with respect to its interest and will contain a waiver of subrogation in favour of the City. The policy will contain a deductible of no more than five thousand (\$5,000) dollars for each and every claim.

20.9 Letter of Credit

- (a) A letter of credit (the "Letter of Credit") is required under this Contract except where expressly deleted from the Requirements in the Notice of Award.

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- (b) As security for the performance of the Requirements, the Contractor will within 7 days of the City's issuance of a Notice of Award, deliver the Letter of Credit to the City.
- (c) The Letter of Credit must be a clean, unconditional irrevocable demand letter of credit, payable in the amount specified in the Notice of Award, and issued in favour of the City by a Schedule I or Schedule II Canadian chartered bank or such other bank previously approved in writing by the City's Director of Legal Services and issued in a form and on terms previously approved the City's Director of Legal Services.
- (d) The Letter of Credit must contain an automatic extension clause so that it remains valid from the Effective Date through to the expiry of the Minimum Warranty Period and may be drawn on by the City to reimburse the City for any losses or damages suffered by the City as the result of any breach of this Contract by the Contractor during the Minimum Warranty Period.
- (e) Upon successful performance of the Contractor's obligations under this Contract for the Minimum Warranty Period, the City will return the Letter of Credit.

21.0 Worksafe BC Compliance

- 21.1 Within 7 days of the Notice of Award, the Contractor must provide evidence that it is registered and in good standing with WorkSafeBC.
- 21.2 The Contractor agrees that it shall at its own expense procure and carry or cause to be procured and carried and paid for, full WorkSafeBC coverage for itself and all workers, employees, and others engaged in or upon any Work under this Contract.
- 21.3 The Contractor agrees that the City has the unfettered right to set off the amount of the unpaid premiums and assessments for such WorkSafe BC coverage against any money owing by the City to the Contractor. The City shall have the right to withhold payment under this Contract until the WorkSafe BC premiums, assessments or penalties in respect of work done or service performed in fulfilling this Contract had been paid in full.
- 21.4 The City now designates the Contractor as the Prime Contractor, and the Contractor now acknowledges and agrees to its designation as the Prime Contractor, in respect of all Work under this Contract for the purposes of the WorkSafeBC Rules.
- 21.5 The Contractor will indemnify the City and hold harmless the City from all manner of claims, demands, costs, losses, penalties and proceedings arising out of or in any way related to:
 - (i) unpaid WorkSafeBC assessments of the Contractor or any other employer for whom the Contractor is responsible under this Contract,
 - (ii) the acts or omissions of any person engaged directly or indirectly by the Contractor in the performance of this Contract, or for whom the Contractor is liable pursuant to the Contractor's obligations as the Prime Contractor, and which acts or omissions are or are alleged by WorkSafeBC to constitute a breach of the WorkSafeBC Rules or other failure to observe safety rules,

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- regulations and practices of WorkSafeBC, including any and all fines and penalties levied by the WorkSafeBC, or
- (iii) any breach of the Contractor's obligations under this General Condition.

22.0 Character of Workers

- 22.1 On the written request of the City, the Contractor will remove any employee, sub-contractor or agent for any reason including but not limited to the following:
- a) lack of or failure to obtain any required Security Clearance;
 - b) intoxication;
 - c) use of foul, profane, vulgar or obscene language or gestures;
 - d) solicitation of gratuities or tips from any person for services performed under the Contract;
 - e) wilful, negligent or reckless action in disregard of safety or sanitary requirements or regulations; or
 - f) any action which may constitute a public nuisance or disorderly conduct.
- 22.2 The Contractor will immediately comply with each such request and will then provide the City with all requested documentation verifying that the employee, sub-contractor or agent has been removed from further involvement with this Contract.

23.0 Unavoidable Delay

- 23.1 Except for the performance of obligations to pay money, time periods for the City's and the Contractor's performance under this Contract will be extended for periods of time during which their performance is delayed or prevented due to an Unavoidable Delay. For the purposes of this section, an "Unavoidable Delay" means any circumstances beyond the reasonable control of the party trying to perform (such as, for example, strikes/lockouts, acts of God, war or other strike or governmental action) but expressly excludes any and all delays caused by the Contractor's lack of financial resources or insolvency, strikes, lockouts or labour affiliations of the Contractor's employees and Sub-contractors, or governmental action taken in the enforcement of law specifically against the Contractor.

24.0 Failure to Perform

- 24.1 Should the Contractor neglect to execute the Requirements properly or fail to perform any provision of the Contract, the City may, without prejudice to any other right or remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment due to the Contractor.
- 24.2 If the Contractor fails to perform any provision of this Contract, the City may upon 10 days' written notice to the Contractor terminate the Contract without prejudice to any other right or remedy the City may have, including without limitation and by way of example only, the remedies set out in Section 24.1 above as well as any and all remedies afforded by any security for performance issued by the Contractor under this Contract, such as a performance bond, letter of credit, or insurance, all of which will survive any such termination of the Contract.

25.0 Dispute Resolution

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- 25.1 All claims, disputes or issues in dispute between the City and the Contractor shall be decided by mediation or arbitration, if the parties agree, or failing agreement, in a court of competent jurisdiction within the Province of British Columbia and be governed by the laws of British Columbia.
- 25.2 In the event that the parties agree to arbitration pursuant to the above, the arbitration shall be governed by the rules of the British Columbia International Commercial Arbitration Centre, except that the arbitrator or arbitrators shall be agreed upon by the parties, and failing agreement by the parties, shall be appointed by a court of competent jurisdiction within the Province of British Columbia.
- 25.3 In the event that the parties agree to arbitration, the arbitration shall take place in the Lower Mainland, British Columbia and be governed by the laws of British Columbia.
- 25.4 The procedure set out in this section is not meant to preclude or discourage informal resolution of disagreements between the City and the Contractor.

26.0 Contract Price/Payment

- 26.1 The Contract Price is fixed and may not be changed by either party except to the extent mutually agreed upon by both parties in writing pursuant to Section 10.0 - *Changes in Requirements*.
- 26.2 The Contractor shall be paid net 30 days from receipt of invoice and acceptance of the goods, materials, equipment and or services, whichever is the later.

27.0 Taxes

- 27.1 Unless otherwise provided herein, the City will pay the GST and PST on the Contract Price to the Contractor, provided that any increase or decrease in such GST and PST will proportionately increase or decrease the amount due under the Contract(s).
- 27.2 The Contract Price is deemed to be exclusive of GST and PST. However, all other governmental taxes, levies, and fees, as well as all other costs relating to freight, handling, import duties, brokerage, royalties, handling, overhead, profit and any and all other costs are deemed to be included in the Contract Price.
- 27.3 Invoices must separately show the appropriate amounts for GST and PST.

28.0 Non-resident Withholding Tax

- 28.1 The *Income Tax Act (Canada)* requires that payments to non-residents for any work performed in Canada may be subject to a non-resident withholding tax. Exemption from this withholding tax is available in some circumstances, but the Contractor must apply directly to the Canada Revenue Agency (CRA) at least 30 days before commencing the work and should seek the advice of a Canadian tax lawyer.
- 28.2 The City is legally required by the *Income Tax Act (Canada)* to withhold a specified amount from any payment to a non-resident (as defined in the Act) where no exemption certificate can be produced to the City by that non-resident. The amount of the withholding is determined by the residency of the non-resident and the applicable Income Tax Act Regulations.

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29.0 Failure to Enforce

29.1 Any failure by the City to enforce or require the strict keeping and performance of any of the terms and conditions contained in this Contract will not constitute a waiver of such terms and conditions and will not affect or impair such terms and conditions in any way or the City's right at any time to avail itself of such remedies as the City may have for any breach or breaches of such terms and conditions.

30.0 Successors and Assigns

30.1 This Contract will benefit and bind each party and its successors and permitted assigns.

31.0 No Promotion of Relationship

31.1 The Contractor must not disclose or promote its relationship with the City, including by means of any verbal declarations or announcements and by means of any sales, marketing or other literature, letters, client lists, press releases, brochures or other written materials without the express prior written consent of the City (except as may be necessary for the Contractor to perform the Contractor's obligations under the terms of the Contract). The Contractor undertakes not to use "VANOC", "Vancouver 2010", any official emblem, logo or mascot of the City or of 2010 Games or any reference or means of promotion or publicity, without the express prior written consent of the City. Furthermore, the Contractor undertakes not to disclose or promote its relationship with the City in any communication or manner whatsoever as a basis to create an association, express or implied, between the Contractor and the IOC, the Olympics or the Olympic Movement.

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1.0 Proof of Ability to Provide Letter of Credit and Insurance

- 1.1 The Tenderer will include with its Tender a letter from its bank, confirming that the Tenderer has sufficient credit-worthiness to (if awarded the Contract) deliver to the City the Letter of Credit in accordance with Part B - Section 20.9 above and the Notice of Award.
- 1.2 The Tenderer will include with its Tender both a signed and completed Appendix 2 - Certificate of Existing Insurance, as well as a letter from its insurer, confirming that the Tenderer is sufficiently insurable to (if awarded the Contract) obtain from that insurer a duly completed and signed Appendix 3 - Certificate of Insurance pursuant to and in compliance with Part B - Section 20.1 - 20.8 above.

2.0 City's Option to Delete Letter of Credit Requirement

- 2.1 The Tenderer will be required to provide a Letter of Credit of between \$250,000 and \$500,000 pursuant to Part B - General Conditions - Section 20.9 as determined by the City based on its evaluation of the Tenders and the pricing for those Tenders as set out in each Tenderer's Tender Form.
- 2.2 The City will set out in the Notice of Award the amount of Letter of Credit it requires or, alternatively at the City's option, the City may delete the Letter of Credit requirement by indicating same in the Notice of Award.

3.0 City's Option to Purchase Additional Units

- 3.1 The Tenderer will be required to grant the City the Option (as defined below) and the City will then have the option to include or delete same from the Contract by indicating same in the Notice of Award.
- 3.2 The Contractor now irrevocably grants the City the option to purchase (the "Option") up to eighteen (18) additional identical Units.
- 3.3 The Option will expire if not exercised by the City within two (2) years of the Closing Time.
- 3.4 The Option must be exercised by delivery of written notice to the Contractor prior to its expiry.
- 3.5 For further certainty, the Option may be exercised in part or in whole or in any combination of Units, provided always that the City complies with Section 4.3 above.
- 3.6 Upon valid exercise of the Option, the City will have the right to purchase the additional Unit specified in each Option notice at the same price and on the same terms and conditions as the first ten (10) Units, except as follows:
 - a) The Contractor will deliver each additional Unit within six (6) months of the City's exercise of the Option for that Unit.
 - b) All other Requirements as to timing will be performed within the same period of time measured from the exercise of the Option as they were originally required as measured from the award of the Contract. So, for further certainty, and by way of example only, the delivery of the Certificate of

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Insurance and Letter of Credit for the additional Unit will occur within 7 days of Option exercise as opposed to award of Contract.

4.0 City's Option to Acquire Optional Equipment/Warranty Coverage

- 4.1 As set out in the Specifications and Part E - *Tender Form*, Section 3.0 - *Schedule of Prices and Quantities*, the City has asked for separate prices, terms and conditions for certain options and warranty coverage.
- 4.2 Where the Tenderer has provided the requested pricing, terms and conditions for any given option and the City has elected to include same in the Contract, the City will do so by indicating same on the Notice of Award and the Tenderer will then be bound to supply the option on the terms and conditions of this Contract as modified by the pricing, terms and conditions set out in that Tenderer's Tender Form.

5.0 Additional Evaluation Criteria

- 5.1 In addition to the evaluation criteria set out in Part A of this ITT, the following criteria, which are not in any order of importance, will be taken into consideration during the City's evaluation of the Tender:
- Availability of parts;
 - Training;
 - Unit reliability;
 - Ability to meet delivery date;
 - Demonstration;
 - Ergonomics;
 - Ease of operations; and
 - Fuel emissions/consumption.

6.0 Required Documentation

- 6.1 The following documentation shall accompany each Unit at time of delivery. Failure to include all or some of the listed documents will delay the City's acceptance of the Unit:
- a) Copy of the Contractor's invoice to the City for the Unit;
 - b) British Columbia Motor Vehicle Branch form APV/9T - transfer tax form/statement of vehicle origin or equivalent document from originating jurisdiction;
 - c) Customs documentation, if applicable; and
 - d) All other documents required by the Specifications to be delivered concurrently with the Unit.
- 6.2 The City of Vancouver address shown on the documentation should read the same as the Delivery Site address set out in Section 14.7 - *Warranty* of Part B - General Conditions.

INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART D - REQUIREMENTS

[INTENTIONALLY OMITTED]

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

Tenderer's Name: _____
"Tenderer"

Address: _____

Telephone: _____ Fax: _____

Key Contact Person: _____

E-mail: _____ Incorporation Date: _____

Attach additional pages immediately behind this page for sub-contractors, if applicable.

To the City of Vancouver,

The undersigned Tenderer, having carefully read and examined the ITT including the Instructions to Tenderers, General Conditions, Special Conditions, Requirements, Specifications and all addenda and having full knowledge of the Requirements described herein, does offer to provide the goods, materials, equipment and/or services in accordance with the Specifications, terms and conditions set out in the ITT (except as noted herein) and in accordance with the pricing set out in the Tender form.

Required Documents:

Description	Reference	Required	Received
Letter from a Chartered Bank for Letter of Credit	Part C, Section 1.0	Yes	
Certificate of Existing Insurance	Part C - Section 1.0 & Appendix 2	Yes	
Letter from Insurer confirming Tenderer able to receive signed Appendix 3 on award	Part C - Section 1.0 & Appendix 3	Yes	
Factory Warranty (Complete copies of Factory Warranty for all components forming part of the Unit)	Appendix 4 - Specification Item 1, I. Sections 2-12	Yes	
Extended Warranty (Complete copies of Terms and Conditions for all Extended Warranties for all components on which such extensions are available)	Appendix 4 - Specification Item 1, Section J.	Optional	
In-House Warranty Program	Appendix 4 - Specification Item 1, Section K.	Optional	

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

Separately Priced Options (Option-unique terms and conditions, Warranty Terms, etc.)	Appendix 4 - Specification Item 1, Section L.	Optional	
Certification of CWB approval for shop performing welding design and welding on Unit	Appendix 4 - Specification Item 2, Section 5.	Preferred	
Drawing showing rear tailgate with all lights and electrical components. Representative set of schematics drawings showing level of detail and comprehensiveness of those required upon delivery.	Appendix 4 - Specification Item 2, Section 7 Lights.	Preferred	
Applicable warranty terms and conditions for B5 or B20 fuel.	Appendix 4 - Specification Item 3, Section 10 Engine	Required if applicable	
Maintenance schedule & checklist for DPF and literature on DPF operation.	Appendix 4 - Specification Item 3, Section 14 Exhaust	Required	
SCAAN analysis sheet	Appendix 4 - Specification Item 3, Section 17 Transmission	Required	
Drawing or picture of tank locations.	Appendix 4 - Specification Item 3, Section 26 Air Storage Reserve Tanks	Required	
Name of all circuits and location of all resettable circuit breakers for same (attach a list). Name of all circuits and location of all SAE blade type fuses for same (attach a list).	Appendix 4 - Specification Item 3, Section D.8. Fuse Box	Required	
Sample or "typical" schematic for Unit wiring	Appendix 4 - Specification Item 3, Section D.9. Electrical Wiring	Required	

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

If the above documents do not accompany the Tender at the time of opening, the Tender is put aside and given no further consideration.

To be Initialled at Tender Opening:

Manager, Materials Management or designate

Witness

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

1.0 Compliance

- 1.1 By initialling each item, the Tenderer acknowledges it has read and understands the Requirements, has submitted the required addenda, has identified deviations or alternatives, and provided an explanation of where it does not comply with the Requirements.
- 1.2 With respect to Part A - Instructions to Tenderers, Section 9.1 - *Declaration as to Conflict of Interest*, the Tenderer now conclusively declares there are no such conflicts of interest unless the Tenderer deletes this note and describes any and all relationships which might give rise to a conflict of interest or an appearance of a conflict of interest in the space provided for same in the Table below (by indicating "Does Not Comply" and providing the details under the Column entitled "Variations, etc.").
- 1.3 With respect to Part A - Instructions to Tenderers, Section 9.2 - *Declaration as to Collusion*, the Tenderer now conclusively declares there has been no such collusion unless the Tenderer deletes this note and describes any and all affiliations or relationships that might give rise to collusion or an appearance of collusion in the spaces provided for same in the Table below (by indicating "Does Not Comply" and providing the details under the Column entitled "Variations, etc.").

Section Title	Understand, Will Comply	Does Not Comply	Variations, Alternatives or Explanation for Non-Compliance
<u>Part A (Except Section 9.1/9.2)</u> Instructions to Tenderers			
<u>Part A - Section 9.1</u> Conflict of Interest (See Tender Form Section 1.2 above)			
<u>Part A - Section 9.2</u> Collusion (See Tender Form Section 1.3 above)			
<u>Part B</u> General Conditions			
<u>Part C</u> Special Conditions			
<u>Part D</u> Requirements			
<u>Part E</u> Tender Form			

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

2.0 References

2.1 The following is a list of references for similar goods, materials, equipment and/or services supplied by the Tenderer to other clients. The Tenderer agrees that the City may contact these references at its discretion. In addition, the City may also contact any other organization for the purposes of evaluating the Tenderer's company and Tender.

Name and Address of Company	Contact Name and Telephone Number	Brief Description of Work and Date Performed

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

3.0 Schedule of Price and Quantities:

Item	Qty.	Description	Unit Price	Total
1.	10	Recycling Trucks in accordance with the Specifications set out herein. Make: _____ Model Year and No.: _____ Provincial Environmental Levy	\$ _____	\$ _____
2.	N/A	\$250,000 Letter of Credit (Part C - Section 2.0 and Part B - Section 20.9)	\$ _____	
3.	N/A	\$500,000 Letter of Credit (Part C - Section 2.0 and Part B - Section 20.9)	\$ _____	
4.	N/A	Option to Acquire 18 Additional Units (Part C - Section 4.0) (<i>Tenderers are to enter either "No Charge" or the additional price (if any) for the Option. <u>DO not enter purchase price for the actual 18 Units.</u></i>)	\$ _____	
TOTAL (Excluding Letter of Credit & 18 Additional Unit Option Prices):				\$ _____

**INVITATION TO TENDER NO. PS08034
 SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
 PART E - TENDER FORM**

3.1 Separately Priced Items:

Item	Qty.	Description	Unit Price	Total
a.	10	Extended Warranty (Specification Item 1, Section J)	\$_____	\$_____
b.	10	Large Body Volume (Specification Item 1, Section L.1)	\$_____	\$_____
c.	10	Dual Side Option (Specification Item 1, Section L.2)	\$_____	\$_____
d.	10	Automatic Lubrication System (Specification Item 1, Section L.3)	\$_____	\$_____
e.	10	Centralized Grease Banks (Specification Item 1, Section L.4)	\$_____	\$_____
f.	10	Alternative Fuel Engine (Specification Item 1, Section L.5)	\$_____	\$_____
g.	10	Other Recommended Options (Specification Item 1, Section L.6)	\$_____	\$_____
TOTAL:				\$_____

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

4.0 Other - Intentionally Omitted

5.0 Sub-contractors

5.1 Sub-contractors to be used in the performance of the Contract are listed below. (If no sub-contractors will be used, indicate "Not Applicable").

Company Name, Address	Contact Name	Telephone No.	Area of Responsibility

**INVITATION TO TENDER NO. PS08034
SUPPLY AND DELIVERY OF TEN (10) RECYCLING TRUCKS
PART E - TENDER FORM**

6.0 Tenderer's Declaration

The undersigned Tenderer confirms that it has read and agreed to the Requirements of this ITT and that any and all deviations have been clearly noted.

The Tenderer agrees that if this Tender is accepted within one hundred and twenty (120) calendar days from the Closing Time, the undersigned Tenderer agrees to supply the City of Vancouver with all or any part of the items upon which prices are stated, at the price set opposite each item and to deliver the same at the designated point or points within the time specified, and in accordance with the Requirements set out in this Tender.

Authorized Signatory for the Tenderer

Date

Name and Title (*please print*)

7.0 Acceptance of Tender

ACCEPTANCE

Date of Acceptance _____

The City hereby accepts the Tender for

(a) the supply and delivery of the goods, materials, equipment and/or services [Insert "described herein" or "that portion of the goods, materials, equipment and/or services set out below: [List Here]"; and

(b) the Letter of Credit in the amount of [Insert "\$250,000", "\$500,000" or "NIL-DELETED" as applicable]

(c) Option to Purchase Additional Units [Insert "Included" or Deleted"]

(d) the following Options: [Insert any and all other Tendered Options which City has elected to include here]

at the prices and on the Terms and Conditions set forth in the Tender:

City of Vancouver, by its authorized signatory:

Approved for Director of Legal Services:



CORPORATE SERVICES GROUP
 Materials Management
 Purchasing Services

Invitation To Tender
 No. PS08034
 Supply and Delivery of Ten (10) Recycling Trucks

To acknowledge your intent to submit a Tender, and to ensure that you receive the required information, please submit this form to the person identified below before close of business day, Tuesday March 11, 2008 (the "Response Notification Deadline").

Phillip Lo
 Administrative Assistant
 City of Vancouver
 Fax: (604) 873-7057
 Email: purchasing@vancouver.ca

Your details:

Proponent's Name: _____
 "Proponent"

Address: _____

Telephone: _____ Fax: _____

Key Contact Person: _____

E-mail: _____ Incorporation Date: _____

Our company WILL / WILL NOT submit a Tender for
 "ITT PS08034 - Supply and Delivery of Ten Recycling Trucks"
 by the Closing Time of Tuesday, March 18 2008 at 3:00:00 P.M.

 Authorized Signatory and Name of Company (Please print)

 E-mail Address (Please print)

 Date



**CERTIFICATE OF EXISTING INSURANCE
TO BE COMPLETED AND SUBMITTED ALONG WITH
PROPOSAL/TENDER**

Section 2 through 8 – to be completed by the Insurer or its Authorized Representative

1. **THIS CERTIFICATE IS ISSUED TO:** City of Vancouver, 453 W 12th Avenue, Vancouver, BC, V5Y 1V4
And certifies that the insurance policy (policies) as listed herein has been issued to the Named Insured and is in full force and effect as of the effective date of the agreement described below.

NAMED INSURED (*must be the same name as the proponent/bidder and is either an individual or a legally incorporated company*)

BUSINESS TRADE NAME or **DBA DOING BUSINESS AS**

BUSINESS ADDRESS

DESCRIPTION OF OPERATION

3. **PROPERTY INSURANCE (All Risks Coverage including Earthquake and Flood)**

INSURER _____	Insured Values (Replacement Cost) -
TYPE OF COVERAGE _____	Building and Tenants Improvement \$ _____
POLICY NUMBER _____	Contents and Equipment \$ _____
POLICY PERIOD From _____ to _____	Deductible Per Loss \$ _____

4. **COMMERCIAL GENERAL LIABILITY INSURANCE (Occurrence Form)**

Including the following extensions:

<input checked="" type="checkbox"/> Personal Injury	INSURER _____
<input checked="" type="checkbox"/> Property Damage including Loss of Use	POLICY NUMBER _____
<input checked="" type="checkbox"/> Products and Completed Operations	POLICY PERIOD From _____ to _____
<input checked="" type="checkbox"/> Cross Liability or Severability of Interest	Limits of Liability (Bodily Injury and Property Damage Inclusive) -
<input checked="" type="checkbox"/> Employees as Additional Insureds	Per Occurrence \$ _____
<input checked="" type="checkbox"/> Blanket Contractual Liability	Aggregate \$ _____
<input checked="" type="checkbox"/> Non-Owned Auto Liability	All Risk Tenant's Legal Liability \$ _____
	Deductible Per Occurrence \$ _____

5. **AUTOMOBILE LIABILITY INSURANCE** for operation of owned and/or leased vehicles with endorsement showing insurance coverage for use of demonstration vehicle by City personnel for evaluation and testing purposes prior to award as per Specification Item 1, Section D. *Demonstration Unit.*

INSURER _____	Limits of Liability -
POLICY NUMBER _____	Combined Single Limit \$ _____
POLICY PERIOD From _____ to _____	<i>If vehicles are insured by ICBC, complete and provide Form APV-47.</i>

6. **UMBRELLA OR** **EXCESS LIABILITY INSURANCE** **Limits of Liability (Bodily Injury and Property Damage Inclusive) -**

INSURER _____	Per Occurrence \$ _____
POLICY NUMBER _____	Aggregate \$ _____
POLICY PERIOD From _____ to _____	Self-Insured Retention \$ _____

7. **PROFESSIONAL LIABILITY INSURANCE**

INSURER _____	Limits of Liability
POLICY NUMBER _____	Per Occurrence/Claim \$ _____
POLICY PERIOD From _____ to _____	Aggregate \$ _____
	Deductible Per Occurrence/Claim \$ _____

If the policy is in a "Claims Made Form", please specify the applicable Retroactive Date: _____

8. **OTHER INSURANCE**

TYPE OF INSURANCE _____	Limits of Liability
INSURER _____	Per Occurrence \$ _____
POLICY NUMBER _____	Aggregate \$ _____
POLICY PERIOD From _____ to _____	Deductible Per Loss \$ _____
TYPE OF INSURANCE _____	Limits of Liability
INSURER _____	Per Occurrence \$ _____
POLICY NUMBER _____	Aggregate \$ _____
POLICY PERIOD From _____ to _____	Deductible Per Loss \$ _____

SIGNED BY THE INSURER OR ITS AUTHORIZED REPRESENTATIVE

_____ Dated _____
PRINT NAME OF INSURER OR ITS AUTHORIZED REPRESENTATIVE, ADDRESS AND PHONE NUMBER



CERTIFICATE OF INSURANCE
[To be completed and submitted by successful Tenderer upon Notice of Award in accordance with Part B – Section 20.0]

Section 8 b) – to be completed by City staff. Select # of days Written Notice is required.
 Section 2 through 7 – to be completed by the Insurer or its Authorized Representative

1. **THIS CERTIFICATE IS ISSUED TO:** City of Vancouver, 453 W 12th Avenue, Vancouver, BC, V5Y 1V4

And certifies that the insurance policies as listed herein have been issued to the Named Insured(s) and are in full force and effect as of the effective date of the agreement described below.

2. **NAMED INSURED:** *(must be the same name as the Permittee/Licensee or Party(ies) to Contract and is either an individual or a legally incorporated company)*

MAILING ADDRESS:

LOCATION ADDRESS:

DESCRIPTION OF OPERATION, CONTRACT, AGREEMENT, LEASE, PERMIT OR LICENSE:

3. **PROPERTY INSURANCE** naming the City of Vancouver as a Named Insured and/or Loss Payee with respect to its interests (All Risks Coverage including Earthquake and Flood) **INSURED VALUES: (Replacement Cost)**
 INSURER: _____ Building and Tenants Improvement: \$ _____
 TYPE OF COVERAGE: _____ Contents and Equipment: \$ _____
 POLICY NUMBER: _____ Deductible Per Loss: \$ _____
 POLICY PERIOD: From _____ to _____

4. **COMMERCIAL GENERAL LIABILITY INSURANCE (Occurrence Form)** Including the following extensions: **LIMITS OF LIABILITY: (Bodily Injury and Property Damage Inclusive)**
 Personal Injury
 Products and Completed Operations Per Occurrence: \$ _____
 Cross Liability or Severability of Interest Aggregate: \$ _____
 Employees as Additional Insureds All Risk Tenant's Legal Liability: \$ _____
 Blanket Contractual Liability Deductible Per Occurrence: \$ _____
 Non-Owned Auto Liability
 INSURER: _____
 POLICY NUMBER: _____
 POLICY PERIOD: From _____ to _____

5. **AUTOMOBILE LIABILITY INSURANCE** for operation of owned and/or leased vehicles **LIMITS OF LIABILITY:**
 INSURER: _____ Combined Single Limit: \$ _____
 POLICY NUMBER: _____ *If vehicles are insured by ICBC, complete and provide Form APV-47.*
 POLICY PERIOD: From _____ to _____

6. **UMBRELLA OR EXCESS LIABILITY INSURANCE** **LIMITS OF LIABILITY: (Bodily Injury and Property Damage Inclusive)**
 INSURER: _____ Per Occurrence: \$ _____
 POLICY NUMBER: _____ Aggregate: \$ _____
 POLICY PERIOD: From _____ to _____ Self-Insured Retention: \$ _____

7. **OTHER INSURANCE (e.g. Boiler & Machinery, Business Interruption, Crime, etc.) – Please specify Name of Insurer(s), Policy Number, Policy Period, and Limit**

8. **POLICY PROVISIONS:**
Where required by the governing contract, agreement, lease, permit or license, it is understood and agreed that:
 a) *The City of Vancouver, its officials, officers, employees, servants and agents have been added as Additional Insureds with respect to liability arising out of the operation of the Named Insured pursuant to the governing contract, agreement, lease, permit or license;*
 b) *SIXTY (60) days written notice of cancellation or material change resulting in reduction of coverage with respect to any of the policies listed herein, either in part or in whole, will be given by the Insurer(s) to the Holder of this Certificate; the exception is cancellation for non-payment of premiums in which case the applicable statutory conditions will apply;*
 c) *The insurance policy (policies) listed herein shall be primary with respect to all claims arising out of the operation of the Named Insured. Any insurance or self-insurance maintained by the City of Vancouver shall be in excess of this insurance and shall not contribute to it.*

SIGNED BY THE INSURER OR ITS AUTHORIZED REPRESENTATIVE

PRINT NAME OF INSURER OR ITS AUTHORIZED REPRESENTATIVE, ADDRESS AND PHONE NUMBER _____ Dated: _____

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

1.0 General Specifications (Body and Cab & Chassis)

<p align="center">Item 1</p> <p align="center">General Specifications</p> <p align="center"><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p>
	<p>Model No.</p>
	<p>Year:</p>
	<p>Tenderers to indicate compliance or deviations with specifications below</p>
<p>A. GENERAL REQUIREMENTS</p> <p>The City of Vancouver requires ten (10) single axle refuse recycling trucks (or "Units") with a volumetric capacity of 35 cubic yards.</p> <p>For the purposes of these Specifications,</p> <ol style="list-style-type: none"> 1. a "Unit" is comprised of the "body" and "cab & chassis", 2. "body" means that part of the Unit described by Item 2.0 of these Specifications, 3. "cab & chassis" means that part of the Unit described by Item 3.0 of these Specifications, 4. "PTO" means "power take-off" as in a mechanism that provides the interface between a source of mechanical power or energy and a mechanism that utilizes that power or energy to operate. [NTD: Need to confirm this is correct.] 5. "CWB" means the Canadian Welding Bureau 6. "EPA" means the U. S. Environmental Protection Agency 7. "SCAAN" means Allison Transmission SCAAN Worksheet. 8. "DPF" means diesel particulate filter. <p>The body should have the ability to carry up to five (5) types of recyclable materials, but will be required to be supplied with three (3) compartments at the time of delivery:</p> <ol style="list-style-type: none"> a) old newsprints (rear) b) mixed paper products (middle) c) plastic, glass and tin (front) <p>The body is required to be self-loading and suitable to work a full shift of 8 hours before unloading. These units will be used in a heavy duty and continuous use application. Therefore, longevity and superior cab & chassis and body construction is of outmost importance. A cab-over style, dual hand drive with right-hand stand-up, chassis is required with the refuse recycling body. The cab & chassis must accommodate the body and handle the payload requirements listed into these Specifications. The Units offered by Tenderers will be assessed based upon the total ability of the Unit to meet these Specifications.</p>	

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

<p align="center">Item 1</p> <p align="center">General Specifications</p> <p align="center"><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p>
	<p>Model No.</p>
	<p>Year:</p>
	<p>Tenderers to indicate compliance or deviations with specifications below</p>
<p>The City requires the Units to have a wall to wall turning radius of 10.7m (35'-0") and curb to curb turning radius of 9.9m (32'-6").</p>	
<p>B. UNIT CAPACITY/DIMENSIONS</p> <p>1. <u>Capacity</u> Usable volumetric capacity of Loading Bins (as defined below) to be approximately 35 cubic yards.</p> <p><u>State:</u> Volumetric capacity in cubic yards.</p>	
<p>2. <u>Weights</u></p> <p>Payload of at least 4500kg (9921 lbs) for each complete Unit is required.</p> <p>For the purposes of these Specifications,</p> <p>"Payload" means load carrying capacity of the Unit as measured by deducting the "Tare Weight" from the "Gross Vehicle Weight" of the Unit using the following definitions for "Gross Vehicle Weight" and "Tare Weight":</p> <p>"Tare Weight" means the aggregate weight of the Unit, including the chassis, the body, one 113kg (250 lbs) driver, a full tank of fuel and all other fluids and accessories necessary to make the Unit fully operational.</p> <p>"Gross Vehicle Weight" has the meaning given to it by BC Motor Vehicle Legislation as based on and in compliance with the legal axle loading limits for the Unit set out in BC Motor Vehicle Legislation.</p> <p>"Loading Bins" are defined under item 2 Body Specification/Loading Bins.</p> <p><u>State</u></p> <ol style="list-style-type: none"> 1. Tare Weight of Unit (utilizing body, cab & chassis being tendered in Item 2 and 3 below). 2. Gross Vehicle Weight of Unit (utilizing body, cab & chassis being tendered in Item 2 and 3 below) as calculated in accordance with BC Motor Vehicle Legislation. 3. Maximum Payload of Unit including Loading Bins. 4. Maximum Payload excluding Loading Bins. 	

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

<p align="center">Item 1</p> <p align="center">General Specifications</p> <p align="center"><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p>
	<p>Model No.</p>
	<p>Year:</p>
	<p>Tenderers to indicate compliance or deviations with specifications below</p>
<p>5. Individual weights of body (without Loading Bins), Loading Bins, chassis, driver, fuel and fluids as utilized to calculate items 1-4 above.</p> <p>6. BC Motor Vehicle Legislation axle limits for each axle of Tendered Unit.</p> <p>7. Weight distribution (in percentages) of each axle of Unit (Tare Weight) with and without Payload.</p>	
<p>3. <u>Dimensions</u></p> <p>Unit is to be used in back lanes with clearances limited by trees and overhead wires, thereby making the Unit vulnerable to damage while travelling as well as restricting overall loading height.</p> <p>1. City prefers overall travelling height of the Unit to be less than 3.66 meters (12 feet) and overall loading height of less than 4.57 metres (15 feet).</p> <p>2. Maximum width of the Unit to be 2,590 mm (102 inches).</p> <p>3. Unit length which maximizes turning radius Specifications.</p> <p><u>State:</u></p> <p>1. If complies.</p> <p>2. Overall travelling height of Unit (ie. body and cab & chassis as fully assembled by Tenderer).</p> <p>3. Overall loading height of Unit (eg. with top doors open) and vertical height of each component comprising overall loading height.</p> <p>4. Height of appendages (if any) above top of Unit.</p> <p>5. Overall width of Unit.</p> <p>6. Overall length of Unit.</p> <p>7. Dimensions of each of the three compartments of the Loading Bins height, width and length,</p>	
<p>C. GOVERNMENT REQUIREMENTS</p> <p>1. Must comply with all BC Motor Vehicle Legislation (See detailed definition in Section 1.0 [Definitions] of the Part B - General Conditions of this Tender)</p> <p>2. Must comply with WorkSafe BC Rules.</p> <p><u>State:</u> If complies.</p>	

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

Item 1 General Specifications <i>(Tenderers: do not write in this section)</i>	Make:
	Model No.
	Year:
	Tenderers to indicate compliance or deviations with specifications below
<p>D. UNIT DEMONSTRATION</p> <p>1. <u>Demo</u></p> <p>A demo of the tendered Unit must be provided to the City upon request for evaluation purposes. Demo to take place with City crews at City site as determined by the Equipment Engineer.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If a demo Unit is available as stated above. 2. Earliest demo date. 3. If demo Unit will be fully insured for demo purposes in British Columbia and if able to provide satisfactory evidence of same to City's Director of Risk Management at least 3 Business Days prior to arrival of demo Unit at Manitoba Works Yard. Such insurance to ensure that City employees will not be liable for any loss, damage or other liability arising out of their care and control of the demo Unit while evaluating and test driving same. <p>[NTD: See Appendix 2 - Certificate of Existing Insurance]</p>	
<p>E. DELIVERY</p> <p>The Units must be delivered FOB to the Delivery Site (as defined in Section 1.0 - Part B - General Conditions).</p> <p>The City prefers delivery times which are as close as possible to the date of issuance of a Notice of Award to the successful Tenderer.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If Units will be delivered FOB to the Manitoba Works Yard. 2. Number of days from date of notice of award of Tender to the date of delivery as per above (a) for all Units arriving at once, and (b) alternatively, for Units arriving as and when completed by successful Tenderer (in which case also state how many will arrive in each group of Units and in how many days from notice of award.) 	

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

<p>Item 1</p> <p>General Specifications</p> <p><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p> <hr/> <p>Model No.</p> <hr/> <p>Year:</p> <hr/> <p>Tenderers to indicate compliance or deviations with specifications below</p>
<p>F. DELIVERY DOCUMENTATION</p> <p>1. <u>Manuals</u> Manuals must be provided to City at time of delivery of each Unit.</p> <p>Manuals for each Unit must include:</p> <ul style="list-style-type: none"> • Three (3) copies of parts manuals. • Three (3) copies of service/maintenance manuals. • Three (3) copies of repair manuals • Two (2) copies of operator manuals. • [3] copies of the wiring schematics. • Detailed lubrication chart (if not part of service/maintenance manual and if tendered pursuant to Specification Item 2, Section 8. - <i>Lubrication</i>). <p>Please note that CD/DVD versions of manuals are preferred.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Titles of all the manuals that will be provided at time of delivery. 3. Which manuals will be available in CD/DVD format. 4. Which manuals, if any, are also published on the internet for access by Contractor's customers and for updating purposes and if so, how often are they updated? 5. Are these manuals different from the ones provided during the training courses described in Item 1.G - Training below or not? If identical, please confirm. If not, please describe differences. <p>2. <u>Title/Insurance/Customs Documents</u></p> <p>In addition to the manuals, each Unit must be delivered with the following documents:</p> <ul style="list-style-type: none"> • BC Motor Vehicle Branch APV/9T • Statement or Certificate of Origin • (if applicable) Transport Canada - Vehicle Import Form - Form 1 Notice to Provincial/Territorial licence authority K.22 • (if applicable) Transport Canada - Registrar of Imported Vehicles Modification 8; Inspection - Form 2 • British Columbia - Motor Vehicle Act - Commercial Vehicle Inspection Report • Customs documentation, if applicable • Warranty documents for Unit and all installed 	

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

<p align="center">Item 1</p> <p align="center">General Specifications</p> <p align="center"><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p>
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<p>accessories, extended warranties, etc.</p> <ul style="list-style-type: none"> • Line sheet for each type of vehicle. <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Titles of all each document that will be provided at time of delivery. 	
<p>G. TRAINING</p> <p>Each training instructor must be fully trained in all aspects of the Unit’s operation and maintenance and have at least one year of operation/repair/service experience with the Unit being supplied. All training session(s) to take place at the Delivery Site on the following terms and conditions.</p> <p>Maintenance training to include two identical sessions outlining prescribed maintenance, diagnostics, and most common repair procedures for the Unit. One session to take place between the hours of 7am and 3pm and another between the hours of 3pm and 11pm in both cases on a Business Day. Each session will provide at least 7 hours of instruction and will be scheduled by the City and will be provided on the date selected by the City. (The City will give the Contractor at least 7 days’ prior written notice of the scheduled time and will endeavour to schedule the sessions within two weeks before or two weeks after the arrival of the first Unit(s) to the Delivery Site.)</p> <p>Operator training to include two identical sessions outlining all information needed for an operator to safely and efficiently operate the Unit. Each session will provide at least 7 hours of instruction between 7 am and 3 pm on a Business Day and will be scheduled by the City and will be provided on the date selected by the City. (The City will give the Contractor at least 7 days’ prior written notice of the scheduled time and will endeavour to schedule the sessions within two weeks before or two weeks after the arrival of the first Unit(s) to the Delivery Site.)</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Names and experience of training instructors to be used. 3. Course outline/subject description for maintenance training sessions and also for operator training 	

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<p>sessions.</p> <p>4. Description of training methodology and aids used (CDs, DVDs, etc).</p> <p>5. Are there any pre-requisites for the trainees in either course? If so, what are these pre-requisites?</p>	
<p>H. MINIMUM WARRANTY</p> <p>1. <u>Minimum Warranty - Basic Term</u></p> <p>Pursuant to Part B - Section 14.0 - Warranty, the minimum term of the Warranty is for the Minimum Warranty Period.</p> <p>2. <u>Minimum Warranty - Full "Parts and Labour"</u></p> <p>The Warranty is a full "parts and labour" warranty to be performed at the Contractor's sole cost and expense at the Delivery Site with all parts and labour delivered FOB Delivery Site (or such other works yard or maintenance depot within the City of Vancouver designated by the City from time to time).</p> <p>3. <u>Minimum Warranty Scope - General</u></p> <p>a) All components (including Equipment) of each Unit is under Warranty for the Minimum Warranty Period.</p> <p>b) The Contractor is responsible for the coordination and timely completion of Warranty work involving or potentially involving more than one component of the Unit eg. - on different major components, such as the engine, transmission, etc.</p> <p>c) No Warranty under this Contract is pro-rated unless expressly stated to be pro-rated.</p> <p>d) The Warranty is fully transferable to subsequent owners of the Unit.</p> <p>4. <u>Minimum Warranty - Response Time</u></p> <p>In these Specifications, the following terms have the following meanings:</p> <p>"Critical Repair" means any repair covered by Warranty which, until performed, will materially adversely affect the City's ability to safely and productively use the Unit for its intended purposes.</p> <p>"Non-Critical Repair" means any repair covered by Warranty which, until performed, will not materially adversely affect the City's ability to safely and productively use the Unit for its</p>	

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<p>intended purposes.</p> <p>“Day” or “day” means any day of the year and is not restricted to Business Days.</p> <p>(a) Where the City requires Warranty service, the City will notify (the “Warranty Notice”) the Contractor by e-mail of the need for the Warranty work and if a Critical Repair is required then the City must specify same in the notice.</p> <p>(b) The Contractor will acknowledge the receipt of the Warranty Notice within one (1) hour of its receipt by reply e-mail (or if the Warranty Notice is sent between 5:00 pm. and 6:00 a.m. then by no later than the immediately following 9:00 a.m.).</p> <p>(c) If the City does not receive a reply to its Warranty Notice within the period referred to in (b) above, then the City may at its option elect to proceed with the Warranty Work using its own mechanics and parts suppliers.</p> <p>(d) For all Critical Repairs, the Contractor will complete the Warranty work within Forty-Eight (48) consecutive hours of receipt of the Warranty Notice (or alternatively deliver a replacement Unit (which will be loaned to the City on the same terms and conditions as to risk, title and insurance as the Demonstration Units referred to elsewhere in these Specifications) to the City for its use within Forty-Eight (48) consecutive hours of receipt of the Warranty Notice and permit the City the unrestricted use of such replacement Unit until such time as the Contractor has completed the Warranty work on such Unit).</p> <p>(e) For all Non-Critical Repairs, the Contractor will complete the Warranty work within Five (5) Business Days of receipt of the Warranty Notice.</p> <p>(f) In the event that the Contractor is in default of its obligations under Section (b), (d) or (e) above, and the City elects to perform the necessary Warranty work, then in addition to reimbursing the City for its out-of-pocket costs of the Warranty work,</p> <p style="padding-left: 20px;">i. the Contractor will reimburse the City for its additional administrative costs which are deemed to be 20% of the overall out-of-pocket costs of the Warranty work (parts and labour), and</p> <p style="padding-left: 20px;">ii. where the Contractor is default of (d) above and has not provided a replacement unit in accordance with (d) above, the Contractor will immediately compensate the City (as</p>	

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<p>liquidated damages and not as a penalty and without limiting the Contractor's liability for any other losses or damages incurred by the City) for the loss of use ("downtime") of the Unit resulting from such default. The amount of such compensation will be calculated as the number of days of downtime multiplied by the City's internal rental rate for the Unit and the City's internal rental rate for the Unit is now agreed to be the rate set from time to time by the City's Equipment Services Branch for the purposes of allocating the capital and operating costs of each unit of its equipment to the various City departments that utilize such equipment, as verified by the City's Director of Finance, and</p> <p>iii. all such costs and compensation will be payable immediately upon receipt of a reasonably detailed invoice for same from the City delivered to the Contractor.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Parts depot location(s) for Warranty parts and approximate dollar value of parts stocked at each location. 3. Service personnel location for Warranty service personnel and approximate number and experience of such personnel at each location. 4. Are the Warranty parts stocked at location in item (2) above comprised of all parts making up the Unit? If not, which parts are located at which locations? Any parts not stocked at any of the above locations? 5. Are the Service personnel located at locations in item (3) trained to perform all Warranty work? If not, which aspects are they not trained to perform and how would such work be performed by Contractor within timeframes set out above? 6. Will the Warranty work all be provided by the Tenderer/Contractor or by a third party representative or dealer? If a dealer or other agent or rep., please specify details of name, location, experience, ability, etc. to provide the Warranty set out above. 	

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<p>I. FACTORY WARRANTY (INCLUDED ADDITIONS TO MINIMUM WARRANTY)</p> <p>1. <u>Factory Warranty Defined</u></p> <p> a) Subject to (b) below, the components listed in this Section I. - Factory Warranty will be covered by their respective manufacturer's warranty (the "Factory Warranty").</p> <p> b) Each Factory Warranty of each component described in this Section I, <u>is in addition to and not in lieu of the Minimum Warranty set out in Section H. Minimum Warranty of these Specifications.</u></p> <p> c) Any costs involved, including but not limited to: labour for removal or installation, parts, components or shipping fees, during the Minimum Warranty Period will be the sole responsibility of the Contractor as further set out in Section H. above.</p> <p> <u>State:</u></p> <p> 1. If Section 1 above is understood.</p> <p>2. <u>Engine Warranty</u></p> <p> a) The Factory Warranty on the engine is for a period of five (5) years from the Warranty Start Date or one hundred thousand (100,000) miles, whichever occurs first.</p> <p> <u>State/Provide:</u></p> <p> 1. State if complies.</p> <p> 2. Provide sample copy of warranty terms.</p> <p>3. <u>Transmission Warranty</u></p> <p> a) The Factory Warranty on the automatic transmission is for a period of five (5) years from the Warranty Start Date and there will be no mileage restrictions.</p> <p> <u>State/Provide:</u></p> <p> 1. State if complies.</p> <p> 2. Provide sample copy of warranty terms.</p> <p>4. <u>Axle Warranty</u></p> <p> a) The Factory Warranty on the front & rear</p>	

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<p>axles is for a period of three (3) years from the Warranty Start Date and there will be no mileage restrictions.</p> <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>5. <u>Shock Absorber Warranty</u></p> <ol style="list-style-type: none"> a) The Factory Warranty on the shock absorbers is for a period of five (5) years from the Warranty Start Date and there will be no mileage restrictions. <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>6. <u>Frame Warranty</u></p> <ol style="list-style-type: none"> a) The Factory Warranty on the Frame (as defined below) is for the life of the Units and there will be no mileage restrictions. b) The "Frame" means all structural components of the chassis, including without limitation, and by way of example only, the rails and crossmembers, and excluding the axles, wheels, and shock absorbers. <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>7. <u>Body Warranty</u></p> <ol style="list-style-type: none"> a) The Factory Warranty on the body, including self-loading mechanism, dumping mechanism, hydraulics, and all other body components and systems is for a period of five (5) years from the Warranty Start Date and there will be no mileage restrictions. <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. 	

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<p>8. <u>Paint Warranty</u></p> <p>a) The Factory Warranty on the paint is for a period of five (5) years from the Warranty Start Date and there will be no mileage restrictions.</p> <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>9. <u>Cab and Body Undercoat Warranty</u></p> <p>a) The Factory Warranty on the cab and body undercoating is for the lifetime of the Unit from the Warranty Start Date and there will be no mileage restrictions. Should the coating applied to the underside of the seating compartment and wheel wells of the Unit flake off, peel, chip or crack due to drying out, the damaged area will be re-sprayed without charge to the City.</p> <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>10. <u>Cab and Body Corrosion Warranty</u></p> <p>a) The Factory Warranty on the rust proofed cab and body including underside, compartments, and doors is for a period of ten (10) years from the Warranty Start Date and there will be no mileage restrictions.</p> <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>11. <u>Cab and Body Structural Warranty</u></p> <p>a) The Factory Warranty on the cab and body (exclusive of chassis, paint, finish, hardware, moldings, windows, bulkheads, self-loading mechanism, dumping mechanism, hydraulics, and other appointments and accessories) of each Unit is for a period of ten (10) years from the Warranty Start Date and there will be no mileage restrictions.</p>	

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<p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. <p>12. <u>Chassis Structural Warranty</u></p> <p>a) The Factory Warranty on the chassis (excluding the Frame and any other component of the chassis having a longer Warranty) is for a period of Three (3) years from the Warranty Start Date and there will be no mileage restrictions.</p> <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. State if complies. 2. Provide sample copy of warranty terms. 	
<p>J. EXTENDED WARRANTY</p> <p>To the extent that any of the Factory Warranties described in Section I. above are non-compliant with the stated warranty periods but are available for purchase, or can be extended beyond the Minimum Warranty Period required by Section H. above (or beyond the Factory Warranty period set out in Section I. above by additional payment), Tenderers are asked to provide details on same here along with the separate applicable pricing for same within the Tender Form.</p> <p><u>State/Provide:</u></p> <ol style="list-style-type: none"> 1. Amount of extended coverage time and on which components. 2. Sample set of extended warranty terms and conditions, plus name, location, telephone number, e-mail address, hours and days of operation, and average inventory, of each applicable dealership, parts supplier, service outlet, etc. for each extended warranty on each component. 3. As per Part E - Tender Form, Section 3.1 - Options, set out all additional pricing for all extended warranties. 	
<p>K. IN-HOUSE WARRANTY PROGRAM</p> <p>The City has successfully implemented in-house warranty programs with many of its vendors. In efforts to reduce fleet costs and downtime, the City may find it advantageous to implement an in-house warranty program</p>	

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<p>in partnership with successful Tenderer whereby the Contractor reimburses the City for in-house warranty work performed by City personnel.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If Contractor is willing to discuss partnering with the City to perform in-house warranty repairs. 2. If so please provide experience with other customers, and sample sets of terms and conditions used with those other customers. 	
<p>L. SEPARATELY PRICED OPTIONS</p> <p>Note: All prices to be shown in Section 3.0 - Schedule of Quantities & Prices of Part E - Tender Form.</p> <ol style="list-style-type: none"> 1. <u>Large Body Volume</u> <p><u>State:</u> Size of next greater body size(s) and any and all resulting deviations from Item 2 - Body Specifications below. However, if next greater body size(s) will result in exceeding maximum turning radius please indicate "Not Available Without Exceeding Maximum Turning Radius".</p>	
<ol style="list-style-type: none"> 2. <u>Dual Side Option</u> Body to allow for self-loading of material on both sides of body. <p><u>State:</u></p> <ol style="list-style-type: none"> 1. All technology differences between right-hand pickup body versus dual hand pick-up. 2. Any and all resulting deviations from Specifications for dual side pick-up body. 	

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<p>3. <u>Automatic Lubrication System</u></p> <p>Unit to come with "Lincoln", "Groeneveld" or COV approved equivalent fully automatic lubrication system. Fully automatic lubrication system to have to ability to program parameters such as amount and time interval of supply to suit the operational needs without operator control. To come complete with visual and audible alarms for malfunction.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If all rotating components on body are bushed and fitted with zerk fittings. 3. Make and model of automatic lubrication system. 4. Number and list of components serviced by the automatic lubrication system. 5. If all components requiring lubrication are covered by automatic lubrication system. If not, list the ones not covered. 6. If the system is fully automatic and programmable. 7. If system comes with visual and audible alarms for malfunction. If so, provide details. 8. If Warranty and delivery documentation same as for base lubrication system set out in Item 2, Section 8 	
<p>4. <u>Centralized Grease Banks</u></p> <p>All grease points to be centrally located at grease banks that are accessible at ground level so that operator can grease all points from one location.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Number and location of grease points. 3. Number and location of grease bank(s). 4. If all grease points are remote plumbed to central grease banks. 5. If Warranty and delivery documentation same as for base lubrication system set out in Item 2, Section 8 	
<p>5. <u>Alternative Fuel Engine</u></p> <p>Alternative fuel engine meeting horsepower and torque requirements as listed in engine-related portion of these Specifications below.</p> <p><u>State:</u></p>	

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<ol style="list-style-type: none"> 1. Details on technology, and performance specifications. 2. Differences in fuel consumption or emissions compared to engine meeting base Specifications. 	
<p>6. <u>Other Recommended Options</u></p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. What is available 2. Describe all applicable terms and conditions, eg. delivery, installation, warranty, effect on any other warranty, and then set out applicable pricing in Tender Form. 	

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2.0 Body Specifications

<p>Item 2</p> <p>Body Specifications</p> <p><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p> <hr/> <p>Model No.</p> <hr/> <p>Year:</p> <hr/> <p>Tenderers to indicate compliance or deviations with specifications below</p>
<p>1. <u>Loading Bin Compartments</u></p> <p>Three (3) separate compartments to accommodate three (3) different types of recyclable material. Bulkheads must have top edge flexible rubber wall (or equivalent). Bulkhead separation to be adjustable to allow for varying compartment size. Prefer adjustment in 300 mm (12 inch) increments along length of box. Compartment sizes to be compatible with self-loading bin size. Horizontal sighting screen to be all along the top length of the body and a minimum of 12" wide. Complete control system pre-wired or pre-hosed for five (5) compartments operation. The additional doors are not required at the time of delivery. Control system must be able to verify to driver in cab that each of the compartment doors is locked.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Number of compartments offered. 3. If bulkheads have top edge flexible rubber wall (or equivalent). 4. If bulkheads are adjustable to change size of compartments. 5. Increment of adjustment for bulkheads. 6. Method of bulkhead adjustment. 7. If sighting screen provided. 8. If control system is pre-wired or pre-hosed for five (5) compartments. 9. If control system provides for interior door locking verification to driver in cab. 	

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<p>2. Self-Loading Mechanism Self-loading mechanism to provide loading from right hand side (curb side) of Unit. Three (3) compartment bins for loading with the ability to change bin size to match body compartment size. Dump control for bins to be located at front right corner of body. Prefer electronic-over-hydraulic controls instead of air-over-hydraulic controls. Loading cycle times not to exceed 15 seconds. Two (2) sets of blue box sorting clips are required. Sorting clips to be welded 336.5 mm (13 ¼ inch) from end to end. Blue box top edge height to be 1,016 mm (40 inch) or less. Four (4) equally spaced over the length of the body, 260 mm (10 ¼ inch) wide automatic cart dump brackets are also required. Distance between the cart dump bracket and hold down clamp in the locked position should be 432 mm (17 inch) (see photo below). Top of sorting clips and cart dump bracket to be 1,016 mm (40 inch) or less. Hold down clamp to unlock in the non-dumping mode.</p> <div style="text-align: center;">  </div>	

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<p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Location of self-loading mechanism. 3. Number of compartments in bin assembly. 4. If bin sizes can be changed to match body compartments. 5. Location of loader mechanism controls. 6. Complete loading cycle time in seconds. 7. Type of mechanism used to operate loading system; chain, cable, or hydraulic cylinder. 8. If operator can control speed of dumping cycle by feathering controls. 9. If controls are electric-over-hydraulic. 10. Loading height. 11. Blue box top edge height. 12. Number of automatic brackets for cart dumping provided. 	
<p>3. <u>Dumping Mechanism</u></p> <p>Ability to dump each compartment separately to allow for dumping recycled material at different locations or site. Ability to release bulkheads from outside body. Dumping controls for five (5) compartment configuration to be operated from within cab as well. If unloading is accomplished by raising body and dumping to rear, dumping angle to be at least 35°. Prefer a dump angle to ensure complete unloading of each compartment. Rear door must be positively held during dumping.</p> <p>Rear door to be top hinged and hydraulically swing open when body is dumping and to have the ability to release rear door locks from the cab with manual override.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Method of dumping load. 3. If dumping of each compartment is individually controlled. 4. Method of releasing individual bulkheads. 5. If rear door release mechanism is guarded. 6. Dumping angle. 7. Location of dumping controls. 8. Type of rear door offered. 9. Type of rear door locks. 	

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<p>4. Hydraulics High quality hydraulic system using components that can be easily repaired and replaced by hydraulic component dealers in the Greater Vancouver area.</p> <p>Constant drive PTO controlled through engine/transmission controls with hydraulic switching to allow for pump protection during truck transport mode. PTO to have the capability of providing 110% of the required flow at engine speed of less than 1000 RPM. Suitable interlocks and safety protection to prevent engine speed change caused by hydraulic requirements when brakes are not engaged and transmission is not in neutral.</p> <p>10 micron hydraulic filter on return line to reservoir capable of filtering full oil flow with pressure drops that will allow reasonable filter life. Filter to be fitted with an indicator gauge to indicate need for filter replacement.</p> <p>Reservoir size to be selected to allow for continuous operation under City of Vancouver ambient conditions of up to 30°C without concern for overheating hydraulic oil such that oil temperature remains at 71°C (160°F) or less. Reservoir to be fitted with a sight glass level indicator, filter screen on filler port, air intake filter, adequate baffling, magnetic pick-up rod, adequate return line and suction line port sizes, shut-off valve on suction line and drain port. Reservoir to be mounted to allow for easy inspection and filling.</p> <p>All hoses and piping to be adequately tied to Unit to prevent chafing.</p> <ol style="list-style-type: none"> 1. Hydraulic oil to be compatible with City of Vancouver standard - "Hydrex MV60". 2. Controls - manually actuated serviceable hydraulic control valves for loading mechanism. Air over hydraulic controls for cab operated dumping system. 3. Dump system to be hoist and cradle type with a structural prop system to act as backup support for the body in up position during repair. 	

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<p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Make and model of hydraulic components offered: <ol style="list-style-type: none"> 1. Cylinders 2. Loading system control valves 3. Dumping system control valves 4. Hydraulic filter 5. Hoses and fittings 3. If transmission mounted PTO. 4. If PTO driven pump, and if so then state make and model and whether or not engine speed control included. 5. Size of filter, filtration capacity in microns and pressure drop over filter with new element at full or system rated pump flow. 6. Hydraulic reservoir size and mounting location. If accessories as noted are part of reservoir. 7. If hydraulic oil operating temperatures do not exceed 71°C (160°F) at 30°C ambient temperatures. 8. If hydraulic system oil is compatible with City's hydraulic oil standard - "Hydrex MV60". 9. If air over hydraulic pump system control valves. 10. Make and Model of dump body hoist. 11. Type of prop. 	

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<p align="center">Item 2</p> <p align="center">Body Specifications</p> <p align="center"><i>(Tenderers: do not write in this section)</i></p>	<p>Make:</p>
	<p>Model No.</p>
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<p>5. Fabrication Design to be compatible with current industry practice and fabricated for light weight high strength body.</p> <p>Prefer floor material of high abrasion resistant steel with approximate thickness of 4.8mm (3/16"). Sub frame and cross members to provide resistance to cyclical loading through rear suspension and to be approximately 7 1/2 x 1 1/2 channels. Prefer sides to be at least 12 GA steel.</p> <p>Welding quality and welding joint design to be performed at and by a CWB approved shop or equivalent.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type of body design used. 3. Type of mainframe and cross members. 4. Type of sidewall reinforcement. 5. Type of material and thickness used in subframe, floor, sidewalls, frame rail and cross members. 6. Quality of welds and weld joint design and whether meets or exceeds CWB approved shop standards <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. Certification of CWB approval for shop performing welding design and welding on Unit. 	
<p>6. Paint</p> <p>Paint to be acrylic enamel Dupont B8917 or equivalent.</p> <p>Paint colour to be white (and to match the white used on the cab & chassis).</p> <p>Body to be fully sandblasted and then primed with epoxy primer prior to painting.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Sandblasting method, procedure, and standard. 3. Primer type, application method, and thickness. 4. Paint type, colour, application method, and thickness. 5. If corrosion protection applied, and if so, type, application method and thickness. 	

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<p>7. <u>Lights and Wiring</u></p> <p>All lights required by the BC Motor Vehicle Legislation to be installed on the vehicle. All lights to be mounted to protect them from refuse and impact from tree limbs.</p> <ul style="list-style-type: none"> - Two "Grote" or COV approved equivalent LED stop-tail-turn lights on each side. - One "Grote" or COV approved equivalent LED stop-tail-turn light at each upper side of tailgate. - One "Grote" or COV approved equivalent amber LED warning light on each upper side of tailgate. These lights to flash in alternative flashing sequence. - One "Grote" or COV approved equivalent incandescent back up light on each side. - One strobe "Federal Signal Ultra Star 5 Beacon # 250121-02 mounted above backup camera. - All necessary clearance and identification lights Grote or COV approved equivalent. - All necessary deflectors to be "Grote" or COV approved equivalent. - Two tractor lamps for illuminating side loading area "Grote" or COV approved equivalent. - Back up alarm to be "Perco Model 1030" 	
<p>All wiring to be run in plastic loom or conduit, chassis wiring to body wiring to be via a weather proof junction box and all final connections at lights to be protected by shrink fit loom or silicone caulking. Wiring schematics to be delivered to City at time of delivery of Unit.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Make and model of lights. 3. If lights meet all BC Motor Vehicle Legislation. 4. Method of wiring and type of junction blocks used. 5. Type of back up alarm, make and model. 6. If wiring schematics will be provided at time of delivery. <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. Drawing showing rear tailgate with all lights and electrical components. 2. Representative set of schematics drawings showing level of detail and comprehensiveness of those required upon delivery. 	

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	<p>Year:</p>
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<p>8. <u>Safety Equipment</u></p> <p>All necessary safety equipment to meet WorkSafeBC Rules. Panic button to be included and allow operator to stop system in event of failure or personal injury - either "dead man" controls or an override shut down control. Method of warning or protecting operators from loading mechanism's return to loading position, prefer beeper. "Safety Vision" two colour camera system (left and back side) for proper visibility with an approximately 173mm (6.8") monitor and a control box to allow switching between cameras.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type of system override on loading system. 3. If transmission and brake sensors with automatic throttle system. 4. Method of warning or protecting operators when loading system operating. 5. Make and model of camera. 6. If two camera system. 7. If all of the above will be included in electrical schematics and drawings required at time of delivery. 	
<p>7. <u>Installation</u></p> <p>The Contractor (or body manufacturer as sub-contractor to the Contractor) is responsible for installation of the body to the chassis, complete with all hydraulic components and controls to provide a complete and operating working Unit as per these Specifications. The body is to be positioned to provide the weight distribution for the greatest Payload and manoeuvrability. The body to truck frame mounts are to provide for any movement that may occur between body and chassis so as to prevent either body or chassis frame cracking in area of body mounts. All hydraulic piping and wiring to be routed to provide full motion of body as required without stressing these systems.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Name of body fabricator (and whether a sub-contractor named in Section 5.1 of Tender Form). 3. Name of body installer (and whether a sub-contractor named in Section 5.1 of Tender Form). 4. Method of attaching body to chassis. 5. Where hydraulic piping and electric wiring enter body and how components are protected. 	

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	<p>Model No.</p>
	<p>Year:</p>
	<p>Tenderers to indicate compliance or deviations with specifications below</p>
<p>8. <u>Lubrication System</u></p> <p>All rotating components on body to be bushed and fitted with zerk fittings.</p> <p>Lubrication chart to be provided on delivery listing all lubrication points and detailing the recommended oil and grease products for each system.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If all rotating components on body are bushed and fitted with zerk fittings. 3. Make and model of automatic lubrication system. 4. Number and list of components serviced by the automatic lubrication system. 5. If all components requiring lubrication are covered by automatic lubrication system. If not, list the ones not covered. 6. If the system is fully automatic and programmable. 7. If system comes with visual and audible alarms for malfunction. If so, provide details. 8. Number and location of grease points. 9. Number and location of grease bank(s). 10. If all grease points are remote plumbed to central grease banks. 11. If lubrication chart will be provided with delivery. 	

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3.0 Cab and Chassis Specifications

<p>Item 3</p> <p>Cab & Chassis Specifications</p> <p><i>(Tenderers: do not write in this section)</i></p>	Make:
	Model No.
	Year:
	Tenderers to indicate compliance or deviations with specifications below
<p>A. GENERAL REQUIREMENTS</p> <p>Cab to have a dual hand drive with right hand side (curb side) stand-up operation for use in recyclables pick-up.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> If complies. Make and model of right hand side (curb side) stand-up drive chassis. 	
<p>B. CAB</p> <p>1. <u>Cab Design</u> Prefer OEM right hand side (curb side) drive. Cab design to meet Federal and Provincial Government regulations and all local Provincial safety requirements. Operation of vehicle from right-hand position to meet all WorkSafeBC Rules. If required, cab modifications to be done in such manner as to not interfere with chassis manufacturer warranties on major components.</p> <p>Right hand (curb) side door to be lockable in open position and to not interfere with any truck parts or operator's function. Safety chain and stand up body support c/w suitable padding and upholstery is required. Three point entry and exit system in accordance with WorkSafeBC Rules is required. Right hand side (curb side) stand-up side floor (step height) to be approximately 380mm (1'-3") above ground and should accommodate a 1981mm (6'-6") tall driver. Prefer operator belly room of at least 1016mm (40"). Right hand stand-up side floor dimensions to be approximately 508mm (20") in length and 508mm (20") in width of the truck.</p> <p>A 6'-0" tall driver driving in the stand-up position with back resting on the right-hand drive seat should be able to see a 762mm (2'-6") tall object from 914mm (3'-0") off of the front left corner of the bumper in the direction of 45 degrees off of the corner of the cab. This specification is intended to assist in evaluating the front left blind spot in the tight lanes of Vancouver.</p> <p>Cab to come with tinted windshield, driver and passenger sun visors, driver's door arm rest, rain gutters, grab handles, ashtray, door actuated cab light, seatbelt retractors, and floor mats.</p>	

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<p style="text-align: center;">Item 3</p> <p style="text-align: center;">Cab & Chassis Specifications</p> <p style="text-align: center;"><i>(Tenderers: do not write in this section)</i></p>	Make:
	Model No.
	Year:
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<p>Interior cab noise to be less than 84 dbA. Outside mirrors to be suitable for left side down and right stand up driving positions. Both sides - "Westcoast Dominion #75-4447" or City of Vancouver approved equal. Mirror vibration to be minimized. 6" diameter convex mirrors to be equipped on both sides. Mirrors to be heated.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If OEM right hand (curb side) drive. 3. Type of body changes made to cab for right hand (curb side) controls. 4. Step height on both sides. 5. If right hand (curb side) stand-up side can accommodate a 6'-6" driver. 6. Belly room for driver in stand-up position. 7. Right hand stand-up floor size. 8. Visibility dimension from right hand stand-up position as per description in specifications. 9. If safety chain provided. 10. Type of door on right hand side. 11. If three point entry system. 12. If tinted windshield. 13. If driver and passenger sun visors. 14. If driver's door arm rest. 15. If rain gutters. 16. If grab handles. 17. If ashtray. 18. If door actuated cab light. 19. If floor mats. 20. Interior cab noise in right hand position with door open. 21. Make and model of outside mirrors. 22. Make and model of convex mirrors. 23. If mirrors are heated. 	
<p>2. <u>Deadman Control</u></p> <p>A deadman control system to bring the Unit to a complete stop in the event that the operator leaves the right hand control station without actuating any controls. Engine throttle to return to idle condition.</p> <p>Deadman control to ensure that chassis service and parking brakes are applied automatically via ECM.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 	

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2. Method of deadman control and chassis functions incorporated in deadman control. 3. If foot or hand operated. 4. Size of deadman platform. 5. Size of the stand-up chamber.	
3. <u>Controls</u> Right hand (curb side) controls to include: a. Automatic transmission gear selection. b. Foot operated actuation of service brakes and parking brakes. c. Hand operated actuation of service brakes and parking brakes. d. Engine throttle control. e. Windshield wipers. f. Horn. g. Deadman control. h. Actuation of work lights. <u>State:</u> 1. If complies. 2. If electric shifting transmission controls. 3. Right hand (curb side) controls. 4. If unoccupied side's controls are non operational when the other side controls are chosen for use.	
4. <u>Seats</u> Vinyl air suspended type bucket driver's seat with six (6) way adjustment plus flip down jump seat stand up style with backrest on right side. Both seats to come with seat belt retractors. <u>State:</u> 1. If complies. 2. Make and model of driver seat. 3. Make and model of right and drive seat. 4. Seat belt retractors.	
5. <u>Steering</u> Power steering is required. The steering wheel should tilt forward/back and/or telescope up/down. Dual steering is preferred to be closed gear boxes c/w driveshaft connection and maybe chain drive or a hydraulic link. <u>State:</u> 1. If complies.	

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2. Type of steering. 3. If steering wheel can tilt forward/back and by how much. 4. If steering wheel can telescope up/down and by how far. 5. Method of dual steering used.	
6. <u>Transmission Shifter</u> Centrally located automatic shifter accessible from both sides. <u>State:</u> 1. If complies. 2. If electric shifter. 3. Make and model.	
7. <u>Heater</u> Heavy-duty complete with defrosters. <u>State:</u> 1. If complies. 2. Description of defrosters.	
8. <u>Horns</u> Dual electric and air type. <u>State:</u> 1. If complies. 2. Description of horns.	
C. CHASSIS 1. <u>Style</u> Cab-over style single axle cab and chassis. <u>State:</u> 1. If complies. 2. Make and model.	

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<p>2. <u>Turning Radius</u> Wall to wall turning radius to not exceed 10.7m (35'-0"). Curb to curb turning radius to not exceed 9.9m (32'-6").</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Wall to wall turning radius. 3. Curb to curb turning radius. 	
<p>3. <u>Cab</u> Prefer a narrow width cab.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. Length - Front bumper to back of cab. 2. Distance - Front bumper to front axle. 3. Cab width - mirror to mirror. 4. Cab width - excluding mirrors 	
<p>4. <u>Curb Weights)</u></p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. Front Axle: Curb weight of cab & chassis (without body) full of fuel/all fluids, and with one (1) 113 kg (250lb) driver. 2. Rear Axle: Curb weight of cab & chassis (without body) full of fuel/all fluids, and with one (1) 113 kg (250lb) driver. 3. Front Axle: Curb weight of cab & chassis and body complete with fuel/all fluids, and with one (1) 113 kg (250 lb) driver. 4. Rear Axle: Curb weight of cab & chassis and body complete with fuel/all fluids, and with one (1) 113 kg (250 lb) driver. 	
<p>5. <u>Paint</u> Paint to be acrylic enamel Dupont B8917 or equivalent.</p> <p>Cab, body, and bumpers to be painted white(to match the white used on the body). Frame to be painted black.</p> <p>All surfaces to be fully sandblasted and then primed with epoxy primer prior to painting.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 	

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<p>2. Sandblasting method, procedure, and standard.</p> <p>3. Primer type, application method, and thickness.</p> <p>4. Paint type, colour (for each component), application method, and thickness.</p> <p>5. If corrosion protection applied, and if so, type, application method, and thickness.</p>	
<p>6. <u>Magnetic Drain Plug</u> Required: Magnetic drain plugs for transmission, rear axle and crankcase.</p> <p><u>State:</u></p> <p>1. If complies.</p> <p>2. If any drain plugs are not magnetic. If so, state which ones and where.</p>	
<p>7. <u>Axles</u> Front axle to allow for adequate weight distribution of body and payload. Single speed rear axle to have a minimum axle capacity of 10,433 kg (23,000 lb). Rear axle to be geared for 90 km/hour (55 mph) in fifth gear.</p> <p><u>State:</u></p> <p>1. If complies.</p> <p>2. Make and model of front axle.</p> <p>3. Front axle capacity.</p> <p>4. Make and model of rear axle.</p> <p>5. Rear axle capacity.</p> <p>6. Rear end ratio to meet requirement.</p> <p>7. Recommended ratio.</p> <p>8. Top speed.</p>	
<p>8. <u>Suspension</u> Standard tapered front leaf suspension. Front suspension to come complete with capacity matching heavy duty shock absorbers. Require suspension capacity to match or exceed axle requirement.</p> <p>Rear suspension system to be Hendrikson HAS airbag type or equivalent with 10,433kg (23,000lb) load capacity. Suspension to come complete with lateral and transverse torque rods, and load matching heavy duty shock absorbers and bushings. Rods should be installed at an estimated load height setting for a recycling body.</p>	

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<p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type, make and model of front suspension. 3. Front suspension capacity. 4. Whether shock absorbers meet suspension capacity. 5. Type, make and model of rear suspension. 6. Rear suspension capacity. 7. If lateral and transverse torque rods are provided on rear suspension. 8. Bushing material. 9. If offered rear suspension is recommended by the suspension manufacturer for recycling hauling applications. Weight of suspension. 	
<p>9. <u>Frame</u></p> <p>Clean top straight frame rails from back of cab to end of frame are required for the mounted equipment. 3/8" steel frame to be a minimum 65,000-psi with at least 1,000,000 in-lbs Resisting Bending Moment (RBM) and a minimum section modulus of 15. Prefer higher section modulus.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Dimensions of frame and reinforcement (if used). 3. RBM (including any reinforcement). 4. Section modulus (including any reinforcement) 5. Yield strength. 	
<p>10. <u>Engine</u></p> <p>At minimum a turbocharged electronically controlled 230 Horsepower ("HP") and 850 N-m (627 ft. lb.) torque heavy duty diesel engine. Engine to come with all available sound silencing options. Engine must also meet emission regulations set out by the EPA. Prefer the quietest diesel engine meeting HP/torque specification. The engine will be operated on B5 biodiesel. Engine warranty should not be void when using this fuel. Prefer engine to operate on B20 biodiesel.</p> <p>Anti-idling option required to automatically shut off the engine if it idles longer than 5 minutes. Engine shut of time to be adjustable.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 	

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<ol style="list-style-type: none"> 2. Make and model of engine. 3. Net horsepower and rated RPM. 4. Net torque and rated RPM. 5. Engine displacement. 6. EPA certified PM, NOx, HC, CO and if available CO₂ emission levels in grams per brake horsepower. These emission levels should be actual engine emissions and not the EPA Certification Levels. 7. Fuel consumption (for diesel and for B5 and B20 blends if possible) of engine bench-mounted (as opposed to fuel consumption after mounted in Unit) <ol style="list-style-type: none"> a. Litres/hr at max horsepower; b. Litres/hr at max torque. c. Litres/hr while idling. 8. Is the B5 blend of biodiesel approved by the engine manufacturer for use in this engine? If so, what conditions or modifications apply, if any? 9. Will the B5 blend of fuel void or alter manufacturer's engine warranty? If so, in what way? 10. Is the B20 blend of biodiesel approved by the engine manufacturer for use in this engine? If so, what conditions or modifications apply, if any? 11. Will the B20 blend of fuel void or alter the manufacturer's engine warranty? If so, in what way? 12. If anti-idling option. 13. If engine shut off time adjustable. <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. Any applicable warranty terms and conditions for B5 or B20 fuel. 	
<p>11. Fuel System Electronically governed fuel delivery system. System to come complete with "Racor" or City of Vancouver approved equal fuel/water separator.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type of injection. 3. Make, model and location of fuel water separator. 	
<p>12. Cooling System Heavy-duty cooling system complete with coolant filter, coolant saver reservoir and engine oil cooler. Coolant to be rated to -25°C with a service life of five (5) years. A radiator size/style should take into account slow speed of driving and cooling capacity needed to safely cool engine. The cooling system must be able to effectively deal with</p>	

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<p>the higher engine temperatures due to the recent emission regulation changes not only with respect to component life but also with regard to operator comfort. The system must account and effectively handle stop and go application of a refuse recycling truck.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type of coolant solution and cold weather temperature rating. 3. Radiator type, size and capacity. 4. State if radiator has cooling capacity for stated application. 5. Coolant life. 	
<p>13. <u>Fan Clutch</u> Fail safe coolant fan clutch is required.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Make and model. 	
<p>14. <u>Exhaust System</u> Vertical exhaust complete with heat shield and end bend to prevent from rain, debris or positive back pressure. Exhaust system to be fabricated from corrosion resistant material.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If heat shield. 3. If has required end bend. 4. If all materials are corrosion resistant and what type of corrosion resisting material used. 5. Distance from back of cab to the vertical portion of exhaust pipe. 6. Muffler make and model. 7. Make and model of DPF. 8. If DPF uses active or passive regeneration. <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. Maintenance schedule & checklist for DPF and literature on DPF operation. 	

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<p>15. <u>Fuel Tank</u> Single fuel tank to be sized to last for 16 hours of low speed driving before refuelling. Tank to be mounted left side off of the frame and to be full on delivery of the unit.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If fuel tank sufficient for 16 hours low speed driving. 3. Size of fuel tank. 4. If mounted on left side off frame. 5. Location of fuel tank. 	
<p>16. <u>Engine Throttle Control</u> Must provide engine speed control for stationary vehicle to operate accessory mounted equipment.</p> <p><u>State:</u> If Complies.</p>	
<p>17. <u>Transmission</u> Allison automatic transmission or equivalent that meets engine horse power and torque requirements; transmission to come with oil filter and live PTO capability. Typical road speed operations in the order of 20-50 kilometers per hour ("KPH") with good fuel economy with a maximum speed capability of 90 KPH.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If transmission fully compatible with engine. 3. Fuel consumption (diesel fuel, and B5 and B20 blends if possible) of Unit at 50 KPH non-stop and at 80 KPH non-stop. 4. Transmission make and model. 5. Torque converter make and model. <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. SCAAN analysis sheet with the tender. 	
<p>18. <u>Drive Shaft</u> Drive shaft properly designed to be fully compatible with and capable of transmitting Unit's engine horsepower and torque to axles.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 	

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	Tenderers to indicate compliance or deviations with specifications below
2. Make and model.	
<p>19. <u>Air Brake System</u> S-cam actuated drum and shoe type system. Large heavy-duty brake assemblies to be capable of enduring repeated braking action.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. If air brakes. 3. If front wheel limiting valve. 4. If brake assemblies designed so as to have the same durability and functionality regardless of proportion of braking which takes place from right hand (curb side) controls. 	
<p>20. <u>Air Brake Chambers</u></p> <p>Spring brakes on rear axle, 30" (76 cm) chamber size. "Anchorlok" or City of Vancouver approved equal. Front chambers to be sized to work with 30" (76 cm) rear chamber to produce enough braking force to stop vehicle. System must incorporate anti-compounding control. High mount chambers to ensure maximum ground clearance.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Make and size of front and rear chambers. 3. Stopping distance from 50 KPH to 0 KPH with full Payload, without any Payload. 4. Stopping distance from 90 KPH to 0 KPH with Full Payload, without any Payload. 	
<p>21. <u>Shoes</u> Non-asbestos type. 16½" x 7" rear if available.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type and size of front brakes. 3. Type and size of rear brakes. 	
<p>22. <u>Automatic Slack Adjusters</u> Automatic clearance sensing long stroke type, "Meritor" or City of Vancouver approved equal.</p> <p><u>State:</u></p>	

DETAILED EQUIPMENT SPECIFICATIONS
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Item 3 Cab & Chassis Specifications <i>(Tenderers: do not write in this section)</i>	Make:
	Model No.
	Year:
	Tenderers to indicate compliance or deviations with specifications below
1. If complies. 2. Make and model.	
23. <u>Compressor</u> Properly sized for the chassis. Air to be drawn from clean side of engine air intake. Compressor to operate air brake system and installed air equipment. Compressor to be geared to manufacturer's maximum rated RPM. <u>State:</u> 1. If complies. 2. Make, model and capacity. 3. Cubic Feet per Minute of Compressor.	
24. <u>Drain Valves</u> Pull chain drain valves for all tanks including air dryer located for easy access. <u>State:</u> If complies.	
25. <u>Air Dryer</u> Bendix AD-9 air dryer complete with heater and "spitter" valve. <u>State:</u> 1. If complies. 2. Make and model.	
26. <u>Air Storage/Reserve Tanks</u> Tanks to be positioned so that they do not interfere with the body. <u>State:</u> 1. If complies. 2. Location of tanks. 3. Tank capacities. <u>Provide:</u> Drawing or picture of tank locations.	
27. <u>Dust shields</u> Dust shields for front and rear brakes. <u>State:</u>	

**DETAILED EQUIPMENT SPECIFICATIONS
AND COMPLIANCE MATRIX**

APPENDIX 4

ITT NO. PS08034

<p>Item 3</p> <p>Cab & Chassis Specifications</p> <p><i>(Tenderers: do not write in this section)</i></p>	Make:
	Model No.
	Year:
	Tenderers to indicate compliance or deviations with specifications below
<p>1. If complies.</p> <p>2. Description of Dust shields.</p>	
<p>28. <u>Tires</u></p> <p>Tires must match or exceed axle and suspension ratings. Require 11R22.5H six (6) radial tubeless tires: Front: 2 - "Michelin XZY-3" or City of Vancouver approved equal. Rear: 4 - "Michelin" XDY-2 or City of Vancouver approved Equal.</p> <p><u>State:</u></p> <p>1. If complies. 2. Make, size, and type of front and rear tires. 3. Rating and capacity of front and rear tires.</p>	
<p>29. <u>Wheels</u></p> <p>Prefer 22.5 x 8.25 on all six (6) positions. Ten (10)-hole disc type wheels. Hub pilot style. Wheels to be black or grey/argent. Prefer black wheels.</p> <p><u>State:</u></p> <p>1. If complies. 2. Make and type of front and rear wheels. 3. Dimensions of front and rear wheels. 4. Colour of wheels.</p>	
<p>D. ELECTRICAL INSTRUMENTATION</p> <p>1. <u>Alternator</u></p> <p>12-volt, minimum 70 amp heavy-duty alternator capable of maintaining output at low RPM of approximately 1000 RPM. Prefer integral voltage regulator. The alternator must be able to support the chassis electrical requirements as well as all extra mounted accessories including the warning lighting. The alternator should feature enhancements incorporating coating systems to mitigate failures due to corrosion and provide extended service life.</p> <p><u>State:</u></p> <p>1. If complies. 2. Make, model, and specifications of Alternator. 3. Output at 1000 to 1200 RPM. 4. Type of anti-corrosion system(s).</p>	

**DETAILED EQUIPMENT SPECIFICATIONS
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<p align="center">Item 3</p> <p align="center">Cab & Chassis Specifications</p> <p align="center"><i>(Tenderers: do not write in this section)</i></p>	Make:
	Model No.
	Year:
	Tenderers to indicate compliance or deviations with specifications below
<p>2. <u>Battery</u> Maintenance-free type, 1,500 cold cranking amps or more complete with remote start post connectors.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Number of batteries. 3. Make and model of batteries. 4. Mounting location. 5. Cold cranking amp. 6. If remote start connectors. 7. Total reserve capacity. 8. Total Amp*Hour rating and the hours it is based on (i.e. C/20, C/10, etc). 	
<p>3. <u>Wipers</u> To wipe as much surface area as possible, two speed electric, complete with washer and intermittent feature.</p> <p><u>State:</u> If comply and details.</p>	
<p>4. <u>4-Way Flasher</u> Heavy-duty type required.</p> <p><u>State:</u> If comply and details.</p>	
<p>5. <u>Cigar Lighter or Auxiliary Power Point</u> Required on left side only.</p> <p><u>State:</u> If comply and details.</p>	
<p>6. <u>Engine Alarms</u> "Kysor" or equal alarm for high water temperature, low oil pressure, and low air pressure. Prefer both audible and visual alarm.</p> <p><u>State:</u> If comply and details.</p>	

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<p>Item 3</p> <p>Cab & Chassis Specifications</p> <p><i>(Tenderers: do not write in this section)</i></p>	Make:
	Model No.
	Year:
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<p>7. <u>Instrumentation</u> To include :</p> <ol style="list-style-type: none"> 1. Electric tachometer. 2. Oil pressure gauge. 3. Ammeter or voltmeter. 4. Coolant temperature gauge. 5. Primary air pressure gauge. 6. Secondary air pressure gauge. 7. Fuel gauge. 8. Air restriction indicator. 9. Odometer. 10. Speedometer. 11. Engine hour meter. <p><u>State:</u> If comply and details.</p>	
<p>8. <u>Fuse Box</u> The fuse box is to have waterproof “resettable” circuit breakers wherever possible and SAE blade type fuses where “resettable” circuit breakers are not used.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Location of fuse box(es). <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. Name of all circuits and location of all resettable circuit breakers for same (attach a list). 2. Name of all circuits and location of all SAE blade type fuses for same (attach a list). 	
<p>9. <u>Electrical Wiring</u> The electrical wiring must not have any exposed wires or terminals. The electrical wiring is to be multiplex based with clear labels for all the wires. Wiring is to be colour coded, continuously numbered, and encased in plastic “loom” to maximize protection from abrasion.</p> <p><u>State:</u></p> <ol style="list-style-type: none"> 1. If complies. 2. Type of multiplex system. 3. Labelling, colour coding methodology. <p><u>Provide:</u></p> <ol style="list-style-type: none"> 1. Sample or “typical” schematic for Unit wiring. 	