



THE CITY OF WINNIPEG

REQUEST FOR PROPOSAL

RFP NO. 1370-2019

**PROFESSIONAL CONSULTING SERVICES FOR LANDFILL GAS BENEFICIAL USE
FEASIBILITY STUDY FOR THE BRADY ROAD RESOURCE MANAGEMENT
FACILITY**

Proposals shall be submitted to:

**The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1**

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 PROFESSIONAL CONSULTING SERVICES FOR LANDFILL GAS BENEFICIAL USE FEASIBILITY STUDY FOR THE BRADY ROAD RESOURCE MANAGEMENT FACILITY

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, January 17, 2020.

B2.2 Proposals determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.

B2.3 The Project Manager or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

B3. ENQUIRIES

B3.1 All enquiries shall be directed to the Project Manager identified in D2.

B3.2 If the Proponent finds errors, discrepancies or omissions in the Request for Proposal, or is unsure of the meaning or intent of any provision therein, the Proponent shall promptly notify the Project Manager of the error, discrepancy or omission at least five (5) Business Days prior to the Submission Deadline.

B3.3 Responses to enquiries which, in the sole judgment of the Project Manager, require a correction to or a clarification of the Request for Proposal will be provided by the Project Manager to all Proponents by issuing an addendum.

B3.4 Responses to enquiries which, in the sole judgment of the Project Manager, do not require a correction to or a clarification of the Request for Proposal will be provided by the Project Manager only to the Proponent who made the enquiry.

B3.5 All correspondence or contact by Proponents with the City in respect of this RFP must be directly and only with the City's Project Manager. Failure to restrict correspondence and contact to the Project Manager may result in the rejection of the Proponents Proposal Submission.

B3.6 The Proponent shall not be entitled to rely on any response or interpretation received pursuant to B3 unless that response or interpretation is provided by the Project Manager in writing.

B4. CONFIDENTIALITY

B4.1 Information provided to a Proponent by the City or acquired by a Proponent by way of further enquiries or through investigation is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Project Manager. The use and disclosure of the Confidential Information shall not apply to information which:

- a) was known to the Proponent before receipt hereof; or
- b) becomes publicly known other than through the Proponent; or
- c) is disclosed pursuant to the requirements of a governmental authority or judicial order.

B4.2 The Proponent shall not make any statement of fact or opinion regarding any aspect of the Request for Proposals to the media or any member of the public without the prior written authorization of the Project Manager.

B5. ADDENDA

- B5.1 The Project Manager may, at any time prior to the Submission Deadline, issue addenda correcting errors, discrepancies or omissions in the Request for Proposal, or clarifying the meaning or intent of any provision therein.
- B5.2 The Project Manager will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.
- B5.3 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/bidopp.asp>
- B5.4 The Proponent is responsible for ensuring that he/she has received all addenda and is advised to check the Materials Management Division website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B5.5 The Proponent shall acknowledge receipt of each addendum in Paragraph 9 of Form A: Proposal. Failure to acknowledge receipt of an addendum may render a Proposal non-responsive.
- B5.6 Notwithstanding B3, enquiries related to an Addendum may be directed to the Project Manager indicated in D2.

B6. PROPOSAL SUBMISSION

- B6.1 The Proposal shall consist of the following components:
- a) Form A: Proposal (Section A) in accordance with B7;
 - b) Fees (Section B) in accordance with B8.
- B6.2 The Proposal should also consist of the following components:
- a) Experience of Proponent and Subconsultants (Section C) in accordance with B9;
 - b) Experience of Key Personnel Assigned to the Project (Section D), in accordance with B10;
 - c) Project Understanding and Methodology (Section E) in accordance with B11; and
 - d) Project Schedule (Section F) in accordance with B12.
- B6.3 Further to B6.1 all components of the Proposal shall be fully completed or provided in the order indicated, and submitted by the Proponent no later than the Submission Deadline, with all required entries made clearly and completely, to constitute a responsive Proposal.
- B6.4 Further to B6.2, all components of the Proposal should be fully completed or provided in the order indicated, and submitted by the Proponent no later than the Submission Deadline, with all required entries made clearly and completely.
- B6.5 Proponents should submit one (1) **unbound** 8.5" x 11" Proposal. Copies are not required. Drawings, charts and tables etc. included as part of the Proposal should not exceed 11" x 17" (ledger) size.
- B6.6 Proposal format, including type of binding, number of pages, size of pages and, font, etc. , will not be regulated, except that the Proposal should contain a table of contents, page numbering and should be in the Sections identified above. Proponents are encouraged to use their creativity to submit a Proposal which provides the requested information for evaluation and other information which illustrates the strength of their team.
- B6.7 Proponents are advised that inclusion of terms and conditions inconsistent with the Request for Proposal, will be evaluated in accordance with a).

B6.8 The Proposal shall be submitted enclosed and sealed in an envelope/package clearly marked with the RFP number and the Proponent's name and address.

B6.9 Proposals submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.

B6.10 Proposals shall be submitted to:

The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1

B6.11 Any cost or expense incurred by the Proponent that is associated with the preparation of the Proposal shall be borne solely by the Proponent.

B7. PROPOSAL (SECTION A)

B7.1 The Proponent shall complete Form A: Proposal, making all required entries.

B7.2 Paragraph 2 of Form A: Proposal shall be completed in accordance with the following requirements:

- a) if the Proponent is a sole proprietor carrying on business in his/her own name, his/her name shall be inserted;
- b) if the Proponent is a partnership, the full name of the partnership shall be inserted;
- c) if the Proponent is a corporation, the full name of the corporation shall be inserted;
- d) if the Proponent is carrying on business under a name other than his/her own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.

B7.2.1 If a Proposal is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B7.2.

B7.3 In Paragraph 3 of Form A: Proposal, the Proponent shall identify a contact person who is authorized to represent the Proponent for purposes of the Proposal.

B7.4 Paragraph 12 of Form A: Proposal shall be signed in accordance with the following requirements:

- a) if the Proponent is a sole proprietor carrying on business in his/her own name, it shall be signed by the Proponent;
- b) if the Proponent is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
- c) if the Proponent is a corporation, it shall be signed by its duly authorized officer or officers and the corporate seal, if the corporation has one, should be affixed;
- d) if the Proponent is carrying on business under a name other than his/her own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.

B7.4.1 The name and official capacity of all individuals signing Form A: Proposal should be printed below such signatures.

B7.5 If a Proposal is submitted jointly by two or more persons, the word "Proponent" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Proponents in the Proposal and the Contract, when awarded, shall be both joint and several.

B8. FEES (SECTION B)

- B8.1 The Proposal shall include a Fixed Fee for all disciplines and/or phases identified in D4 Scope of Services.
- B8.2 Adjustments to Fees will only be considered based on increases to the Scope of Services.
- B8.2.1 The City will not consider an adjustment to the Fees based on changes in the Project budget or the Final Total Construction Cost.
- B8.3 Notwithstanding C1. 1(b), Fees shall include costs for out of town travel, related meals and accommodations for the duration of the Project and shall not be considered an Allowable Disbursement.
- B8.4 The Fee Proposal shall also include an allowance for Allowable Disbursements as defined in C1. 1(b), but shall exclude the costs of any materials testing, soils and hazardous materials investigation during construction.
- B8.5 Notwithstanding C11. 1, Fees submitted shall not include the Goods and Services Tax (GST) or Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable.
- B8.6 Payments to Non-Resident Consultants are subject to Non-Resident Withholding Tax pursuant to the Income Tax Act (Canada).

B9. EXPERIENCE OF PROPONENT AND SUBCONSULTANTS (SECTION C)

- B9.1 Proposals should include:
- a) details demonstrating the history and experience of the Proponent and Subconsultants in providing programming; design, management of the project and contract administration services on three projects of similar complexity, scope and value.
- B9.2 For each project listed in a), the Proponent should submit:
- a) description of the project;
 - b) role of the consultant;
 - c) project's original contracted cost and final cost;
 - d) design and schedule (anticipated Project schedule and actual project delivery schedule, showing design separately);
 - e) project owner;
 - f) reference information (two current names with telephone numbers per project).
- B9.2.1 Where applicable, information should be separated into Proponent and Subconsultant project listings.
- B9.3 The Proposal should include general firm profile information, including years in business, average volume of work, number of employees and other pertinent information for the Proponent and all Subconsultants.

B10. EXPERIENCE OF KEY PERSONNEL ASSIGNED TO THE PROJECT (SECTION D)

- B10.1 Describe your approach to overall team formation and coordination of team members.
- B10.1.1 Include an organizational chart for the Project.
- B10.2 Identify the following Key Personnel assigned to the Project:
- a) project manager;
- B10.3 Submit the experience and qualifications of the Key Personnel assigned to the Project for projects of similar complexity, scope and value, including the principals-in-charge, the

Consultants Representative, managers of the key disciplines and lead designers. Include educational background and degrees, professional recognition, job title, years of experience in current position, years of experience in design and years of experience with existing employer. Roles of each of the Key Personnel in the Project should be identified in the organizational chart referred to in B10.1.1.

- B10.4 For each person identified, list at least two comparable projects in which they have played a primary role similar to that proposed for this Project. If a project selected for a key person is included in B9, provide only the project name and the role of the key person. For other projects provide the following:
- a) Description of project;
 - b) Role of the person;
 - c) Project Owner;
 - d) Reference information (two current names with telephone numbers per project).

B11. PROJECT UNDERSTANDING AND METHODOLOGY (SECTION E)

- B11.1 Describe your firm's project management approach and team organization during the performance of Services, so that the evaluation committee has a clear understanding of the methods the Proponent will use in the delivery of this Project.
- B11.2 Methodology should be presented in accordance with the Scope of Services identified in D4.
- B11.3 Describe the collaborative process/method to be used by the Key Personnel of the team in the various phases of the Project.
- B11.4 Proposals should address:
- a) the team's understanding of the broad functional and technical requirements;
 - b) the team's understanding of the urban design issues;
 - c) the proposed Project budget;
 - d) the City's Project methodology with respect to the information provided within this RFP and the City's Project Management Manual at <http://winnipeg.ca/infrastructure/asset-management-program/templates-manuals.stm#2> and templates at <http://winnipeg.ca/infrastructure/asset-management-program/templates-manuals.stm#4> ; and;
 - e) any other issue that conveys your team's understanding of the Project requirements.
- B11.5 The Proposal should include Form P: Person Hours for all disciplines and or phases identified in D4 Scope of Services.
- B11.5.1 The total Fees on Form P: Person Hours should match Fees submitted in response to B8.
- B11.6 Proponents may use Form P: Person Hours or a table of their own design provided it includes all information requested in accordance with B11.5.
- B11.7 For each person identified in B10.2, list the percent of time to be dedicated to the Project in accordance with the Scope of Services identified in D4.

B12. PROJECT SCHEDULE (SECTION F)

- B12.1 Proponents should present a carefully considered Critical Path Method schedule using Microsoft Project or similar project management software, complete with resource assignments (key designers), durations (weekly timescale) and milestone dates or events. The schedule should address each requirement of the Scope of Services.

B12.2 The Proponent's schedule should include critical dates for review and approval processes by the City and other organizations anticipated during the design and tendering phases of the Project. Reasonable times should be allowed for completion of these processes.

B13. ELIGIBILITY

B13.1 As a result of having provided engineering, operational, and financial input into prior feasibility studies and also potential beneficiaries in relation to this Project, the following Persons are not eligible to be a Proponent, participate as Team Members of a Proponent, or act as advisors to a Proponent or to any of its Team Members or to otherwise participate in the development and preparation of Proposals for the Project:

- a) Manitoba Hydro
- b) Integrated Gas Recovery Systems / COMCOR Environmental

B13.2 A Proponent may be disqualified if any of the above-noted ineligible persons participate in the development and preparation of the Proponent's Proposal for this feasibility study.

B14. DISCLOSURE

B14.1 Various Persons provided information or services with respect to this Work. In the City's opinion, this relationship or association does not create a conflict of interest because of this full disclosure. Where applicable, additional material available as a result of contact with these Persons is listed below.

B14.2 The Persons are:

- a) Manitoba Hydro
- b) KGS Group

B14.3 Additional Material:

- a) Conversion of LFG to Combined Heat & Power, Manitoba Hydro (January 2015), see Appendix B.
- b) Laboratory Investigation into the Effect of Temperature on Treatment of Leachate, KGS Group (April 22, 2016), see Appendix C.

B15. CONFLICT OF INTEREST AND GOOD FAITH

B15.1 Proponents, by responding to this RFP, declare that no Conflict of Interest currently exists, or is reasonably expected to exist in the future.

B15.2 Conflict of Interest means any situation or circumstance where a Proponent or Key Personnel proposed for the Work has:

- a) other commitments;
- b) relationships;
- c) financial interests; or
- d) involvement in ongoing litigation;
- e) that could or would be seen to:
 - (i) exercise an improper influence over the objective, unbiased and impartial exercise of the independent judgment of the City with respect to the evaluation of Proposals or award of the Contract; or

- (ii) compromise, impair or be incompatible with the effective performance of a Proponent's obligations under the Contract;
- f) has contractual or other obligations to the City that could or would be seen to have been compromised or impaired as a result of its participation in the RFP process or the Project; or
- g) has knowledge of confidential information (other than confidential information disclosed by the City in the normal course of the RFP process) of strategic and/or material relevance to the RFP process or to the Project that is not available to other proponents and that could or would be seen to give that Proponent an unfair competitive advantage.

B15.3 In connection with its Proposal, each entity identified in B15.2 shall:

- a) avoid any perceived, potential or actual Conflict of Interest in relation to the procurement process and the Project;
- b) upon discovering any perceived, potential or actual Conflict of Interest at any time during the RFP process, promptly disclose a detailed description of the Conflict of Interest to the City in a written statement to the Project Manager; and
- c) provide the City with the proposed means to avoid or mitigate, to the greatest extent practicable, any perceived, potential or actual Conflict of Interest and shall submit any additional information to the City that the City considers necessary to properly assess the perceived, potential or actual Conflict of Interest.

B15.4 Without limiting B15.3, the City may, in its sole discretion, waive any and all perceived, potential or actual Conflicts of Interest. The City's waiver may be based upon such terms and conditions as the City, in its sole discretion, requires to satisfy itself that the Conflict of Interest has been appropriately avoided or mitigated, including requiring the Proponent to put into place such policies, procedures, measures and other safeguards as may be required by and be acceptable to the City, in its sole discretion, to avoid or mitigate the impact of such Conflict of Interest.

B15.5 Without limiting B15.3, and in addition to all contractual or other rights or rights at law or in equity or legislation that may be available to the City, the City may, in its sole discretion:

- a) disqualify a Proponent that fails to disclose a perceived, potential or actual Conflict of Interest of the Proponent or any of its Key Personnel;
- b) require the removal or replacement of any Key Personnel proposed for the Work that has a perceived, actual or potential Conflict of Interest that the City, in its sole discretion, determines cannot be avoided or mitigated;
- c) disqualify a Proponent or Key Personnel proposed for the Work that fails to comply with any requirements prescribed by the City pursuant to B15.4 to avoid or mitigate a Conflict of Interest; and
- d) disqualify a Proponent if the Proponent, or one of its Key Personnel proposed for the Project, has a perceived, potential or actual Conflict of Interest that, in the City's sole discretion, cannot be avoided or mitigated, or otherwise resolved.

B15.6 The final determination of whether a perceived, potential or actual Conflict of Interest exists shall be made by the City, in its sole discretion.

B16. QUALIFICATION

B16.1 The Proponent shall:

- a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Proponent does not carry on business in Manitoba, in the jurisdiction where the Proponent does carry on business; and
- b) be financially capable of carrying out the terms of the Contract;

- c) have all the necessary experience, capital, organization, and equipment to perform the Services in strict accordance with the terms and provisions of the Contract;
- B16.2 The Proponent and any proposed Subconsultant (for the portion of the Services proposed to be subcontracted to them) shall:
- a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <https://winnipeg.ca/finance/findata/matmgt/listing/debar.pdf>
- B16.3 The Proponent and/or any proposed Subconsultant (for the portion of the Services proposed to be subcontracted to them) shall:
- a) have successfully carried out services for the programming; design, management of construction and contract administration for architectural and/or engineering projects of similar complexity, scope and value; and to those required for this Project; and
 - b) be fully capable of performing the Services required to be in strict accordance with the terms and provisions of the Contract; and
 - c) have a written workplace safety and health program, if required, pursuant to The Workplace Safety and Health Act (Manitoba);
 - d) have the knowledge and resources to administer the requirements of The Workplace Safety and Health Act (Manitoba) during the construction works associated with this Contract; and
 - e) undertake to meet all licensing and regulatory requirements of the appropriate governing authorities and associations in the Province of Manitoba.
- B16.4 The Proponent shall submit, within three (3) Business Days of a request by the Project Manager, further proof satisfactory to the Project Manager of the qualifications of the Proponent and of any proposed Subconsultant.
- B16.5 The Proponent shall provide, on the request of the Project Manager, full access to any of the Proponent's equipment and facilities to confirm, to the Project Manager's satisfaction, that the Proponent's equipment and facilities are adequate to perform the Services.

B17. OPENING OF PROPOSALS AND RELEASE OF INFORMATION

- B17.1 Proposals will not be opened publicly.
- B17.2 After award of Contract, the names of the Proponents and the Contract amount of the successful Proponent and their address(es) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/>
- B17.3 The Proponent is advised any information contained in any Proposal Submission may be released if required by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law or by City policy or procedures (which may include access by members of City Council).
- B17.3.1 To the extent permitted, the City shall treat as confidential information, those aspects of a Proposal Submission identified by the Proponent as such in accordance with and by reference to Part 2, Section 17 or Section 18 or Section 26 of The Freedom of Information and Protection of Privacy Act (Manitoba), as amended.
- B17.4 Following the award of Contract, a Proponent will be provided with information related to the evaluation of his/her submission upon written request to the Project Manager.

B18. IRREVOCABLE OFFER

- B18.1 The Proposal(s) submitted by the Proponent shall be irrevocable for the time period specified in Paragraph 10 of Form A: Proposal.

B18.2 The acceptance by the City of any Proposal shall not release the Proposals of the other responsive Proponents and these Proponents shall be bound by their offers on such Work for the time period specified in Paragraph 10 of Form A: Proposal.

B19. WITHDRAWAL OF OFFERS

B19.1 A Proponent may withdraw his/her Proposal without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.

B19.1.1 The time and date of receipt of any notice withdrawing a Proposal shall be the time and date of receipt as determined by the Manager of Materials.

B19.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Proposal or the Proponent's authorized representatives named in Paragraph 12 of Form A: Proposal, and only such person, has authority to give notice of withdrawal.

B19.1.3 If a Proponent gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials will:

- (a) retain the Proposal until after the Submission Deadline has elapsed;
- (b) open the Proposal to identify the contact person named in Paragraph 3 of Form A: Proposal and the Proponent's authorized representatives named in Paragraph 12 of Form A: Proposal; and
- (c) if the notice has been given by any one of the persons specified in B19.1.3(b), declare the Proposal withdrawn.

B19.2 A Proponent who withdraws its Proposal after the Submission Deadline but before its offer has been released or has lapsed as provided for in B18.2 shall be liable for such damages as are imposed upon the Proponent by law and subject to such sanctions as the Chief Administrative Officer considers appropriate in the circumstances. The City, in such event, shall be entitled to all rights and remedies available to it at law.

B20. INTERVIEWS

B20.1 The Project Manager may, in his/her sole discretion, interview Proponents during the evaluation process.

B21. NEGOTIATIONS

B21.1 The City reserves the right to negotiate details of the Contract with any Proponent. Proponents are advised to present their best offer, not a starting point for negotiations in their Proposal Submission.

B21.2 The City may negotiate with the Proponents submitting, in the City's opinion, the most advantageous Proposals. The City may enter into negotiations with one or more Proponents without being obligated to offer the same opportunity to any other Proponents. Negotiations may be concurrent and will involve each Proponent individually. The City shall incur no liability to any Proponent as a result of such negotiations.

B21.3 If, in the course of negotiations pursuant to B21.2, the Proponent amends or modifies a Proposal after the Submission Deadline, the City may consider the amended Proposal as an alternative to the Proposal already submitted without releasing the Proponent from the Proposal as originally submitted.

B22. EVALUATION OF PROPOSALS

B22.1 Award of the Contract shall be based on the following evaluation criteria:

- a) compliance by the Proponent with the requirements of the Request for Proposal or acceptable deviation therefrom: (pass/fail)

- | | | |
|----|--|-------------|
| b) | qualifications of the Proponent and the Subconsultants, if any, pursuant to B16: | (pass/fail) |
| c) | Fees; (Section B) | 20% |
| d) | Experience of Proponent and Subconsultant; (Section C) | 30% |
| e) | Experience of Key Personnel Assigned to the Project; (Section D) | 25% |
| f) | Project Understanding and Methodology (Section E) | 20% |
| g) | Project Schedule. (Section F) | 5% |
- B22.2 Further to a), the Award Authority may reject a Proposal as being non-responsive if the Proposal Submission is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Proposal, or waive technical requirements or minor informalities or irregularities if the interests of the City so require.
- B22.3 Further to b), the Award Authority shall reject any Proposal submitted by a Proponent who does not demonstrate, in its Proposal or in other information required to be submitted, that it is qualified.
- B22.4 If, in the sole opinion of the City, a Proposal does not achieve a pass rating for a) and b), the Proposal will be determined to be non-responsive and will not be further evaluated.
- B22.5 Where references are requested, the reference checks to confirm information provided may not be restricted to only those submitted by the Proponent, and may include organizations representing Persons, known to have done business with the Proponent.
- B22.6 Further to c), Fees will be evaluated based on Fees submitted in accordance with B8.
- B22.7 Further to c) where the Fees exceeds the funds stated in D4.14, the City may determine that no award will be made in accordance with B23.2.1(a).
- B22.8 Further to d), Experience of Proponent and Subconsultants will be evaluated considering the experience of the organization on projects of similar size and complexity as well as other information requested, in accordance with B9.
- B22.9 Further to e), Experience of Key Personnel Assigned to the Project will be evaluated considering the experience and qualifications of the Key Personnel and Subconsultant personnel on Projects of comparable size and complexity, in accordance with B10.
- B22.10 Further to f), Project Understanding and Methodology will be evaluated considering your firm's understanding of the City's Project, project management approach and team organization, in accordance with B11.
- B22.11 Further to g), Project Schedule will be evaluated considering the Proponent's ability to comply with the requirements of the Project, in accordance with B12.
- B22.12 Notwithstanding d) to g), where Proponents fail to provide a response to a) to d), the score of zero may be assigned to the incomplete part of the response.
- B22.13 Proposals will be evaluated considering the information in the Proposal Submission and any interviews held in accordance with B20.
- B23. AWARD OF CONTRACT**
- B23.1 The City will give notice of the award of the Contract, or will give notice that no award will be made.
- B23.2 The City will have no obligation to award a Contract to a Proponent, even though one or all of the Proponents are determined to be qualified, and the Proposals are determined to be responsive.

- B23.2.1 Without limiting the generality of B23.2, the City will have no obligation to award a Contract where:
- (a) the prices exceed the available City funds for the Services;
 - (b) the prices are materially in excess of the prices received for similar services in the past;
 - (c) the prices are materially in excess of the City's cost to perform the Services, or a significant portion thereof, with its own forces;
 - (d) only one Proposal is received; or
 - (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.
- B23.3 Where an award of Contract is made by the City, the award shall be made to the qualified Proponent submitting the most advantageous offer.
- B23.4 The City may, at its discretion, award the Contract in phases.
- B23.5 Notwithstanding Paragraph 6 of Form A: Proposal and C4, the City will issue an award letter to the successful Proponent in lieu of execution of a Contract.
- B23.5.1 The Contract documents as defined in C1. 1(o)(ii) in their entirety shall be deemed to be incorporated in and to form a part of the award letter notwithstanding that they are not necessarily attached to or accompany said Letter of Intent.
- B23.6 The form of Contract with the City of Winnipeg will be based on the Contract as defined in C1. 1(o).
- B23.7 Following the award of Contract, a Proponent will be provided with information related to the evaluation of its Proposal upon written request to the Project Manager.
- B23.8 If, after the award of Contract, the Project is cancelled, the City reserves the right to terminate the Contract. The Consultant will be paid for all Services rendered up to time of termination.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Consultant Services* (Revision 2017-03-24) are applicable to the Services of the Contract.
- C0.1.1 The *General Conditions for Consultant Services* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at http://www.winnipeg.ca/matmgt/gen_cond.stm.
- C0.2 A reference in the Request for Proposal to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Consultant Services*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

D1.1 In addition to the *General Conditions for Consultant Services*, these Supplemental Conditions are applicable to the Services of the Contract.

D2. PROJECT MANAGER

D2.1 The Project Manager is:

Irvin Slike

Telephone No. 204 806-0957

Email Address: islike@winnipeg.ca

D2.2 At the pre-commencement meeting, the Project Manager will identify additional personnel representing the Project Manager and their respective roles and responsibilities for the Services.

D2.3 Proposal Submissions must be submitted to the address in B6.

D3. BACKGROUND

D3.1 The Brady Road Resource Management Facility has been collecting and flaring landfill gas since July 2013. A 2017 expansion of the LFG collection system has increased the gas collection. In 2019, a funding agreement was entered into with Canada from the Low Carbon Economy Fund to expand and upgrade the LFG wellfield.

D3.2 Based on current estimates and waste management practices, the facility has a landfilling disposal lifetime in excess of one hundred years.

D3.3 The LFG to energy conversion facility would be located at the BRRMF, which is directly adjacent to connection points to Manitoba Hydro's electrical distribution system as well as a TransCanada Pipelines transmission pipeline.

D3.4 The TransCanada Pipeline has a piping alignment that bisects the BRRMF and may be available for pipeline quality gas transmission.

D3.5 Manitoba Hydro has the statutory right for the sale and distribution for any potential electricity generated in Manitoba, including BRRMF.

D4. SCOPE OF SERVICES

D4.1 The Services required under this Contract shall include professional consulting services consisting of the preparation of a feasibility study comparing three scenarios for the beneficial use of LFG:

- (a) Scenario 1: Electricity generation (sold to Manitoba Hydro),
- (b) Scenario 2: Pipeline quality gas to the open market (as RNG)
- (c) Scenario 3: Supply of gas to the U of M, and

D4.1.1 The review of the three scenarios shall be prepared in accordance with the following:

- (a) Review of background material;
- (b) Estimate of revenue potential;

- (c) Estimate of leachate volume evaporation potential using waste heat from each of the scenarios;
- (d) Class 3 cost estimate for each scenario, including capital construction, operating, maintenance, and capital replacement costs for a 20 year period;
- (e) Creation of financial models (including NPV and payback period) for the three scenarios over a 20 year period with sensitivity analysis on electrical and natural gas rates (including RIN credits); and,
- (f) Cost:benefit analysis comparing the three scenarios.

D4.2 Review of background material

- (a) Review all background reports provided by the City and produce a letter confirming that there is sufficient information to proceed with the feasibility study or identifying the necessary supplementary information required. Background reports include, but are not limited:
 - (i) Landfill Gas Beneficial Use Project Feasibility Study, SCS Energy (May 2013)
 - (ii) Landfill Gas Collection System Evaluation, SCS Engineers (November 2013)
 - (iii) Conversion of LFG to Combined Heat & Power, Manitoba Hydro (January 2015)
 - (iv) University of Manitoba, Winnipeg MB Renewable Energy Sources from Brady Road Landfill, Manitoba Hydro (January 2015)
 - (v) Review of LFGE Pre-Feasibility Studies, SCS Engineers (October 2015)
 - (vi) Brady Generator Interconnection Study, Manitoba Hydro (July 2019)
- (b) Data available includes, but are not limited to:
 - (i) Historic flare data, including gas flow and methane content;
 - (ii) Historic disposal tonnage, tonnage projections, and waste composition;
- (c) A background material review letter should be produced within two weeks of receipt of a Letter of Intent from the City to Award the Contract.

D4.3 Scenario 1: Electricity Generation

- (a) Estimate of LFG electricity revenue generating potential (sold to Manitoba Hydro).
- (b) Review the Manitoba Hydro Bioenergy Optimization Program, and other energy efficiency/funding program opportunities (e.g. Efficiency Manitoba).
- (c) The consultant shall, on the behalf of the City, obtain from Manitoba Hydro the capital contribution amount and electrical rate reimbursement. These amounts and rates may be in the form of a range of values. The Consultant shall select the most probable value to use for the comparison of the three scenarios to convert LFG to energy.

D4.4 Scenario 2: Pipeline quality gas to the open market

- (a) Estimate of LFG pipeline quality gas revenue generating potential (sold as RNG).
- (a) Consult at least seven Canadian and other North American RNG to pipeline projects and determine the monetary value of the LFG with the disclosed contracts (if available).
- (b) Evaluate the potential value of the City's pipeline quality gas based upon future (RNG) market trends, potentially interest purchasers/partners, or any other indicators identified in the Consultant's research efforts.
- (c) The Consultant shall, on behalf of the City, discuss with the TransCanada Pipelines (TC Energy) the required quality of LFG to be accepted into their pipeline (at the BRRMF).
- (d) The Consultant shall provide an estimated monetary value per unit of RNG for the purposes of this assignment.

D4.5 Scenario 3: Supply of gas to the U of M,

- (a) The Consultant shall, on behalf of the City, discuss with the University of Manitoba, the required quality of gas to be received at their campus.
- (b) This scenario shall include the cost of meeting the gas quality needs of the U of M and an approximately 8.2 kilometre long pipeline.
- (c) Estimate of gas revenue potential (sold to University of Manitoba).
- (d) Estimate the potential value of BRRMF gas to the University of Manitoba.

D4.6 Leachate Volume Reduction

- (a) For each scenario, estimate leachate volume evaporation potential using waste heat from each of the LFG to energy conversion processes.
- (a) For the conversion of LFG to electricity scenario, the Consultant shall estimate the leachate volume reduction potential.
- (b) For the conversion of LFG to pipeline quality gas scenario, the Consultant shall estimate the leachate volume reduction potential.

D4.7 Class 3 cost estimate for conversion of LFG to electricity, including capital construction, operating, maintenance, and capital replacement costs for a 20 year period.

- (a) The cost estimate shall include all components necessary to convert the LFG to electricity and transmit the electricity to Manitoba Hydro's distribution system.
- (b) The cost estimate shall include reciprocating engines, LFG contaminate removal technology, and flaring of excess gas.
- (c) The Consultant shall contact the equipment vendors and determine the recommended maintenance schedule. The consultant shall also estimate the material and labour costs for the maintenance activity.
- (d) The cost estimate shall include a 20 year projection of the total operating and maintenance costs for the LFG to electricity scenario.
- (e) The cost estimate shall include capital and operational costs related to leachate volume reduction processes using waste heat from the LFG to electricity conversion process.

D4.8 Class 3 cost estimate for conversion of LFG to pipeline quality gas, including capital construction, operating, maintenance, and capital replacement costs for a 20 year period.

- (a) Separate Class 3 cost estimates shall be prepared for each LFG to pipeline quality gas scenarios (TransCanada Pipeline).
- (b) The Consultant shall gather relevant information and costs from existing Canadian RNG to pipeline projects (if available).
- (c) The Consultant is expected to survey equipment vendors and identify LFG processing equipment based upon durability/reliability, O&M costs, and ease of use. The identified equipment must be capable of producing pipeline quality gas that satisfies TransCanada Pipelines requirements for acceptance into their distribution pipeline.
- (d) The cost estimate shall include connection to TransCanada Pipelines infrastructure located adjacent to the BRRMF.
- (e) The cost estimate shall include a transmission line to convey the pipeline quality gas to the University of Manitoba. The cost estimate for this transmission line may be Class 5.
- (f) The Consultant shall contact the equipment vendors and determine the recommended maintenance schedule. The consultant shall also estimate the material and labour costs for the maintenance activity.
- (g) The cost estimates shall include a 20 year projection of the total operating and maintenance costs for both of the LFG to pipeline quality gas scenarios.
- (h) The cost estimate shall include capital and operational costs related to leachate volume reduction using waste heat from the LFG to pipeline quality gas conversion process.

- D4.9 Creation of financial models (including NPV and payback period) for the three LFG energy conversion scenarios over a 20 year period with sensitivity analysis on electrical and natural gas rates (including RIN credits), consisting of:
- (a) A spreadsheet (in Microsoft Excel) which captures the financial model of the three LFG energy conversion scenarios. The electronic version of the spreadsheet shall be a deliverable for this project.
 - (b) In a separate document, all inputs to the financial model shall be referenced to their origin and include a footnote discussion to their relevance.
- D4.10 Cost:benefit analysis comparing the three LFG energy conversion scenarios, including investigation and analysis of the economic, environmental / social, regulatory, and legal aspects.
- (a) Economic investigation and analysis should include considerations towards capital and operating costs. Project funding includes power purchase agreements (PPA) as well as partner contributions and program specific capital contributions. Consultant to explore opportunities in each case.
 - (b) Environmental / social investigation and analysis should include the pros, cons, and risks associated with each option (e.g. leachate volume reduction and related cost savings, residential concerns related to a new pipeline to the U of M). Considerations towards the time required for public consultation, right of way permits, etc. should be presented with (ranked) estimated timelines for implementation of each scenario.
 - (c) Regulatory investigation and analysis should include consideration towards the cost and time required for regulatory approvals associated with each of the three scenarios, including boundary and/or jurisdictional related negotiations.
 - (i) Considerations towards the impact of the Greenhouse Gas Pollution Pricing Act should be included in the analysis of the three scenarios.
 - (ii) Considerations towards the impact of potentially applicable Renewable Fuels Standards should be included in the analysis of the three scenarios.
 - (d) Legal and contractual considerations and analysis should include a relative ranking of the estimated time required to negotiate terms and conditions of a typical gas-to-energy contracts (e.g. operating agreements, interconnection agreements, power purchase agreements, distributed resource interconnection process) with prospective purchasers (e.g. Manitoba Hydro, TransCanada Energy, University of Manitoba). Funding agreements should also be considered under this component of the analysis.
 - (i) Considerations towards supply reliability (volume and quality) should be included in the analysis of the three scenarios.
- D4.11 The Consultant will prepare a final report which will document and encompass the scope of work items described under D4.1. A final recommendation on which scenario represents the most advantageous LFG use opportunity for the City based upon the cost:benefit analysis shall be included in the final report.
- D4.12 The Services required under D4 shall be in accordance with the City's Project Management Manual <http://winnipeg.ca/infrastructure/asset-management-program/templates-manuals.stm#2> and templates <http://winnipeg.ca/infrastructure/asset-management-program/templates-manuals.stm#4>. Notwithstanding the foregoing, the Consultant is being engaged by the City for its professional expertise; the Consultant shall bring to the Project Manager's attention any aspect of the City's Project Management Manual or templates which the Consultant is of the opinion is not consistent with good industry practice.
- D4.13 The Services required under D4 shall be in accordance with the Definition of Professional Consultant Services (Consulting Engineering Services), provided in Appendix A.
- D4.14 The funds available for this Contract are \$120,000.

D5. DEFINITIONS

D5.1 When used in this Request for Proposal:

- (a) "**Class 3 Cost Estimate**" means an opinion of probable cost determined using the Association for the Advancement of cost Engineering (AACE) International Recommended Practices 1 7R-97, 1 8R-97 & 56R-O8;
- (b) "**LFG**" means Landfill Gas
- (c) "**Pipeline Quality Gas**" means a mixture of hydrocarbon compounds existing in the gaseous phase with sufficient energy content, generally above 900 British thermal units, and a small enough share of impurities for transport through commercial gas pipelines and sale to end-users;
- (d) "**RIN**" means a serial number assigned to a batch of biofuel for the purpose of tracking its production, use, and trading as required by the United States Environmental Protection Agency's Renewable Fuel Standard (RFS) implemented according to the Energy Policy Act of 2005;
- (e) "**RNG**" means renewable natural gas, or biomethane. RNG is a pipeline-quality gas that is fully interchangeable with conventional natural gas and thus can be used in natural gas vehicles. RNG is essentially biogas (the gaseous product of the decomposition of organic matter) that has been processed to purity standards. Like conventional natural gas, RNG can be used as a transportation fuel in the form of compressed natural gas (CNG) or liquefied natural gas (LNG). RNG qualifies as an advanced biofuel under the [Renewable Fuel Standard](#). ;
- (f) "**U of M**" means University of Manitoba, Fort Garry Campus

SUBMISSIONS

D6. AUTHORITY TO CARRY ON BUSINESS

D6.1 The Consultant shall be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Consultant does not carry on business in Manitoba, in the jurisdiction where the Consultant does carry on business, throughout the term of the Contract, and shall provide the Project Manager with evidence thereof upon request.

D7. INSURANCE

D7.1 The Consultant shall procure and maintain, at its own expense and cost, insurance policies with limits no less than those shown below.

D7.2 As a minimum, the Consultant shall, without limiting its obligations or liabilities under any other contract with the City, procure and maintain, at its own expense and cost, the following insurance policies:

- (a) Comprehensive or Commercial General Liability Insurance including:
 - (i) an inclusive limit of not less than \$2,000,000 for each occurrence or accident with a minimum \$2,000,000 Products and Completed Operations aggregate and \$5,000,000 general aggregate;
 - (ii) all sums which the Consultant shall become legally obligated to pay for damages because of bodily injury (including death at any time resulting therefrom) sustained by any person or persons or because of damage to or destruction of property caused by an occurrence or accident arising out of or related to the Services or any operations carried on in connection with this Contract;
 - (iii) coverage for Products/Completed Operations, Blanket Contractual, Consultant's Protective, Personal Injury, Contingent Employer's Liability, Broad Form Property Damage, Employees as Additional Insureds, and Non-Owned Automobile Liability;

- (iv) a Cross Liability clause and/or Severability of Interest clause providing that the inclusion of more than one Insured shall not in any way affect the rights of any other Insured hereunder in respect to any claim, demand, suit or judgment made against any other Insured;
 - (b) if applicable, Automobile Liability Insurance covering all motor vehicles, owned and operated and used or to be used by the Consultant directly or indirectly in the performance of the Service. The limit of liability shall not be less than \$2,000,000 inclusive for loss or damage including personal injuries and death resulting from any one accident or occurrence.
 - (c) Professional Errors and Omissions Liability Insurance including:
 - (i) an amount not less than \$ 250,000 per claim and \$ 500,000 in the aggregate.
- D7.2.1 The Consultant's Professional Errors and Omissions Liability Insurance shall remain in force for the duration of the Project and for twelve (12) months after total performance.
- D7.3 The policies required in D7.2(a) shall provide that the City is named as an Additional Insured thereunder and that said policies are primary without any right of contribution from any insurance otherwise maintained by the City.
- D7.4 The Consultant shall require each of its Subconsultants to provide comparable insurance to that set forth under D7.2(a) and D7.2(c).
- D7.5 The Consultant shall provide the Project Manager with a certificate(s) of insurance for itself and for all of its Subconsultants, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Services, but in no event later than the date specified in C4. 1 for the return of the executed Contract. Such certificates shall state the exact description of the Services and provide for written notice in accordance with D7.8.
- D7.6 The Consultant may take out such additional insurance as it may consider necessary and desirable. All such additional insurance shall be at no expense to the City.
- D7.7 All insurance, which the Consultant is required to obtain with respect to this Contract, shall be with insurance companies registered in and licensed to underwrite such insurance in the Province of Manitoba.
- D7.8 The Consultant shall not cancel, materially alter, or cause any policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the City.

SCHEDULE OF SERVICES

D8. COMMENCEMENT

- D8.1 The Consultant shall not commence any Services until it is in receipt of a notice of award from the City authorizing the commencement of the Services.
- D8.2 The Consultant shall not commence any Services until:
 - (a) the Project Manager has confirmed receipt and approval of:
 - (i) evidence of authority to carry on business specified in D6;
 - (ii) evidence of the insurance specified in D7;
 - (b) the Consultant has attended a meeting with the Project Manager, or the Project Manager has waived the requirement for a meeting.
- D8.3 The City intends to award this Contract by March 1, 2020.

APPENDIX A – DEFINITION OF PROFESSIONAL CONSULTANT SERVICES (CONSULTING ENGINEERING SERVICES)

APPENDIX B – CONVERSION OF LFG TO COMBINED HEAT & POWER, MANITOBA HYDRO (JANUARY 2015)

**APPENDIX C – LABORATORY INVESTIGATION INTO THE EFFECT OF TEMPERATURE ON
TREATMENT OF LEACHATE, KGS GROUP (APRIL 22, 2016)**