

	1		
RETURN BIDS TO: RETOURNER LES SOUMISSIONS À:	Title – Titre Knowledge Synthesis and Knowledge Gap Identification to support the implementation of the Canada-Ontario Lake Erie Action Plan		
Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada Electronic Copy: ec.soumissions-bids.ec@canada.ca			
	Bid Solicitation Closes (YEAR- MM-DD) - La demande de soumissions prend fin (AAAA-	Time Zone – Fuseau horaire Eastern Standard Time	
BID SOLICITATION DEMANDE DE SOUMISSONS	MM-JJ) at – à 3:00 P.M.		
PROPOSAL TO: ENVIRONMENT CANADA	on – 2020-11-13 F.O.B – F.A.B Not Applicable		
We offer to perform or provide to Canada the services detailed in the document including any attachments and annexes, in accordance with the terms and	Shawn Davis shawn.davis@canada.ca		
conditions set out or referred to in the document, at the price(s) provided.	Telephone No. – Nº de téléphoneFax No. – Nº de FaxDelivery Required (YEAR-MM-DD) – Livraison exigée (AAAA-MM-JJ)		
SOUMISSION À: ENVIRONNEMENT CANADA Nous offrons d'effectuer ou de fournir au	2022-03-15 Destination - of Services / Destination des services		
Canada, aux conditions énoncées ou incluses par référence dans le document incluant toutes pièces jointes et annexes, les services détaillés dans le document,	Security / Sécurité There is no security requirement associated with this requirement.		
au(x) prix indiqué(s).	Vendor/Firm Name and Addres adresse du fournisseur/de l'ent		
	Telephone No. – N° de téléphon	e Fax No. – N° de Fax	
	Name and title of person authorized to sign on behalf of Vendor/Firm: (type or print) / Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)		
	Signature	Date	



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PART 1 – GENERAL INFORMATION

1. Security Requirement

1.1 There is no security requirement associated with this requirement.

2. Statement of Work

The Work to be performed is detailed under Annex A, Statement of Work of the resulting contract.

3. Debriefings

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

PART 2 – BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the PWGSC *Standard Acquisition Clauses and Conditions Manual* (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

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

The 2003 (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The standard instructions 2003 are modified as follows:

Under "Text" at 02:

Delete: "Procurement Business Number" **Insert:** "Deleted"

At Section 02 Procurement Business Number

Delete: In its entirety **Insert:** "Deleted"

At Section 05 Submission of Bids, Subsection 05 (2d):

Delete: In its entirety **Insert:** "send its bid only to Environment Canada (EC) as specified on page 1 of the bid solicitation or to the address specified in the bid solicitation;"

At Section 06 Late Bids: Delete: "PWGSC" Insert: "Environment Canada"

At Section 07 Delayed Bids: Delete: "PWGSC" Insert: "Environment Canada"



At Section 08 Transmission by Facsimile, Subsection 08 (1):

Delete: In its entirety **Insert:** "Bids may be submitted by facsimile if specified in the bid solicitation."

At Section 12 Rejection of Bid, Subsection 12 (1) a. and b.:

Delete: In their entirety **Insert:** "Deleted"

At Section 17 Joint Venture, Subsection 17 (1) b.:

Delete: "the Procurement Business Number of each member of the joint venture," **Insert:** "Deleted"

At Section 20 Further Information, Subsection 20 (2):

Delete: In its entirety Insert: "Deleted"

At Section 05 Submission of Bids, Subsection 05 (4)

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

2. Submission of Bids

2.1 Bids must be submitted to Environment Canada (EC) at the address and by the date, time and place indicated on page 1 of the bid solicitation.

3. Former Public Servant – Competitive Bid

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

Definitions

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

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the



implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

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

Former Public Servant in Receipt of a Pension

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

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

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

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

If so, the Bidder must provide the following information:

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

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

4. Enquiries - Bid Solicitation



All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

5. Applicable Laws

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

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

6. Basis for Canada's Ownership of Intellectual Property

Environment Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, on the following grounds:

6.4.1 the main purpose of the contract, or of the deliverables contracted for, is to generate knowledge and information for public dissemination.

PART 3 – BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I: Technical Bid (1 electronic copy)

Section II: Financial Bid (1 electronic copy)

Section III: Certifications (1 electronic copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid. Canada requests that bidders follow the format instructions described below in the preparation of their bid:

Note for electronic submission of bids:

In order to be considered, bids must be received no later than 1500h (3 p.m.) (Eastern Standard Time) on the date and time indicated on the cover page to herein as the "Closing Date." Bids received after the Closing Date will be considered non-responsive and will not be considered for contract award. Bids submitted by email must be submitted ONLY to the following email address:

Email Address: ec.soumissions-bids.ec@canada.ca Attention: Shawn Davis



Solicitation Number: 5000054032

Bidders should ensure that their name, address, Closing Date of the solicitation and Solicitation Number are clearly indicated in the body of their email. Bids and supporting information may be submitted in either English or French.

The total size of the email, including all attachments, must be less than 15 megabytes (MB). It is each Bidder's responsibility to ensure that the total size of the email does not exceed this limit.

Bids sent by fax will not be accepted.

It is important to note that emails systems can experience systematic delays and, at times, large attachments may cause systems to hold or delay transmission of emails. It is solely the Bidder's responsibility to ensure that the Contracting Authority receives a bid on time, in the mailbox that has been identified for bid receipt purposes. Date stamps for this form of transmission are not acceptable.

Section I: Technical Bid

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will carry out the Work

Section II: Financial Bid

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

1.1 Price Breakdown

In their financial bid, the bidders are requested to provide a detailed breakdown of the price for the following elements for each task of the Work, as applicable:

(a) Professional fees: For each individual and (or) labour category to be assigned to the Work, the bidders should indicate: i) the firm hourly rate or the firm daily rate, inclusive of overhead and profit; and ii) the estimated number of hours or days, as applicable. The bidders should indicate the number of hours in one working day.

The professional fees must include the total estimated cost of all travel and living expenses that may need to be incurred for:

- (i) Work described in Part 6, Resulting Contract of the bid solicitation required to be performed within the Ontario Region;
- (ii) travel between the successful bidder's place of business and Canada Centre for Inland Waters;
- (iii) the relocation of resources.

to satisfy the terms of any resulting contract. These expenses cannot be charged directly and separately from the professional fees to any contract that may result from the bid solicitation.)

- (b) Equipment (if applicable): The bidders should specify each item required to complete the Work and provide the pricing basis of each one, Canadian customs duty and excise taxes included, as applicable. These items will be deliverable to Canada upon completion of the contract.
- (c) Materials and Supplies (if applicable): The bidders should identify each category of materials and supplies required to complete the Work and provide the pricing basis. The Bidder should indicate, on a per category basis, whether the items are likely to be consumed during the performance of any resulting contract.
- (d) Travel and Living Expenses (if applicable): The bidders should indicate the number of trips and the number of days for each trip, the cost, destination and purpose of each journey, together with the basis of these costs without exceeding the meal, private vehicle and incidental

expenses provided in Appendices B, C and D of the *National Joint Council Travel Directive* and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

- (e) Subcontracts (if applicable): The bidders should identify all of the proposed subcontractors and provide in their financial bid for each one a price breakdown.
- (f) Other Direct Charges (if applicable): The bidders should identify all of the categories of other direct charges anticipated, such as long distance communications and rentals, providing the pricing basis for each and explaining the relevance to the work described in the resultant contract in part 6 of the bid solicitation.
- (g) Applicable Taxes: The bidders should indicate the Applicable Taxes separately.
- **1.2** Bidders should include the following information in their financial bid:
- (a) Their legal name; and
- (b) The name of the contact person (including this person's mailing address, phone and facsimile numbers and email address) authorized by the Bidder to enter into communications with Canada with regards to their bid; and any contract that may result from their bid.

Section III - Certifications

1. Certifications Required Precedent to Contract Award

Bidders must provide the required certifications Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

1.1 Technical Evaluation

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subcontractors, or suppliers will not be considered.

1.1.2 Point Rated Technical Criteria

A proposal must obtain the required minimum score of 28 out of 40 in criteria R1-R3 and obtain a minimum score of 28 out of 40 in criteria R4-R7 to be considered responsive.

Point Rated Technical Criteria is included in Attachment 1 to Part 4.

1.2 Financial Evaluation



1.2.1 Mandatory Financial Criteria

Bids which fail to meet the Mandatory Financial Criteria will be declared non-responsive.

Number	Criterion	Met/Not	Page
		Met	Number
MF1	The maximum budget allocated for this project must not exceed \$200,000.00, applicable taxes extra, including all labour, associated costs and subcontractors. Bids valued in excess of this amount will be considered non-responsive. This disclosure of project funds does not commit the Department to pay such an amount.		

1.2.2 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, the Applicable Taxes excluded, Canadian customs and excise taxes included.

For evaluation purposes only, the price of the bid will be determined as follows:

Proposals will be evaluated out of 30 points

The proposal with the lowest price receives the maximum 30 points, and all higher priced proposals will be pro-rated relative to the lowest price

2. Basis of Selection

2.1 Basis of Selection - Highest Combined Rating of Technical Merit and Price

- 1. To be declared responsive, a bid must:
- (a) comply with all the requirements of the bid solicitation;
- (b) meet all mandatory financial criteria;

and

- (c) obtain the required minimum score of 28 out of 40 in criteria R1-R3 and obtain a minimum score of 28 out of 40 points in criteria R4-R7.
- 2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
- 3. The evaluation will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30 % for the price.
- 4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
- 5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%



- 6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
- 7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 100 and the lowest evaluated price is \$55,000.00.

Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)

<u>Bidder</u>	Bidder 1	Bidder 2	Bidder 3
Overall Technical Score	90/100	70/100	80/100
Bid Evaluated Price	\$75,000.00	\$55,000.00	\$65,000.00
Calculations			
Technical Merit Score	90/100 x 70 = 63	70/100 x 70 = 49	80/100 x 70 = 56
Pricing Score	55/75 x 30 = 22	55/55 x 30 = 30	55/65 x 30 = 25
Combined Rating	85	79	81
Overall Rating	1 st	3 rd	2 nd



ATTACHMENT 1 TO PART 4

POINT RATED TECHNICAL CRITERIA

Point Rated Technical Criteria:

ltem	Technical Rated Criteria	Maximum Score
	Experience and qualifications of the project team members Demonstrate the skills and experience of the designated team members to fulfill the mandate defined in this document.	
R1	Project Team expertise	
	The Bidder should demonstrate the experience of the project team members by providing project descriptions that include the following information:	
	Project Title Project Overview (objective, member's role & responsibilities Project start and end dates Client contact information	
	This information will be used in assessing criteria R1.1 – R2 below	
	The same projects may be used for each of R1.1, R1.2 and R1.1.3	
	The points will be awarded for each of R1.1, R1.2 and R1.3 based on the number of projects that meet criterion as follows:	
R1.1	The Bidder should demonstrate that at least one member of the proposed project team has direct experience in projects involving water quality and/or Great Lakes' issues. <i>1 point per project to a maximum of 5 pts</i>	5
R1.2	The Bidder should demonstrate that at least one member of the proposed project team has direct experience with the development of conceptual models, cognitive maps, systems diagrams or other tools that can be used for combining and representing knowledge from a number of sources and people in a visual representation. <i>1 point per project to a maximum of 5 pts</i>	5
R1.3	The Bidder should demonstrate that at least one member of the proposed project team has direct experience in undertaking the research and the writing of subject area reviews based on peer reviewed literature, grey literature and/or personal interviews. <i>1 point per project to a maximum of</i> 5 <i>pts</i>	5
R2	The Bidder should demonstrate that project team member(s) have experience working in a policy context or on policy issues requiring in-depth knowledge of a complex social/environmental issue (defined has having multiple interacting components, feedbacks between outcomes and components, difficulty in prediction and the emergence of properties from component interaction). Additional weight will be given for the management of such issues through adaptive management. and the development and the use of performance indicators to assess progress towards meeting an objective.	15
	Up to three (3) projects completed in the past 10 years by one or more team members should be presented to demonstrate this experience. The bidder must demonstrate the complexity of the issue and provide details of the research/management approach.	
	No points will be awarded for only listing a project or for incomplete descriptions. Scores will be awarded based on how closely the projects presented align with this project, based on the scoring criteria below, to a maximum of 5 points per project.	



	Scores will be awarded as follows:5 pointsExperience applying adaptive management to a complex issue5 pointsExperience applying other management alternatives to adaptive management to a complex issue4 pointsExperience requiring in-depth knowledge of a complex issue3 pointsNo similarity to this project0 points	
R3	Project Lead/Manager: The Bidder should demonstrate that the proposed Project Lead/Manager has project co-ordination and management experience (schedule management, budget management, resource allocation).	10
	Scores will be awarded as follows:Less than 4 months' experience:0 points5 - 11 months' experience:2 points12 to 24 months' experience:5 points25 to 48 months' experience:7 points49+ months' experience or more:10 points	
R1-R3	Minimum points required = 28	40
R4	 Workplan The Bidder should provide a workplan for the project which should include a breakdown of the tasks and sub-tasks required, the resources assigned to each task, and the level of effort of each team member to complete the defined steps The work plan provides the required information and meets the objectives of the project: 10 pts The work plan meets the objectives of the project, but some of the information specified above is missing: 7 pts The work plan is meets the objectives, but lacks clarity in how the objectives will be met due to lack of details and difficulty in connecting the steps in the work plan. 5 pts The work plan is not expected to meet the objectives 0 pts	10
R5	Methodology The Bidder should describe the approach to collecting the required information, quality control and reporting, that demonstrates experiencing with this type of research, to be used to perform the required work.	10
	The bid demonstrates a detailed structured approach to proceed with the required tasks and sub-tasks described above. 10 pts The bid presents an approach which is clear but lacks details on the sub-tasks. 7 pts The bid presents an approach that is missing details on the tasks and sub-tasks and/or, relies on jargon and on technical language instead of plain language. 5 pts The bid has no approach for collecting information, quality control, or reporting. 0 pts	
R6	The Bidder's proposal should demonstrate that the Bidder understands the project and its objectives. Scores will be awarded as follows: The proposal demonstrates a clear, coherent synthesis that demonstrates a connection between the requirements for this work, the objectives of the Canada Ontario Lake Erie Action Plan and the bidder's experience 10 pts The proposal presents a synthesis but which lacks details, clarity, coherence. 6 pts The proposal does not demonstrate a clear understanding of the project and the objectives. 0 pts	
R7	The Bidder should describe the strategies that will be deployed to identify	10



	TOTAL		80
R4-R7	Minimum p	points required = 28	40
	0	risks and overcome obstacles.	
	0	strategies to deal with risk. They are insufficient for the effective performance of the duties of the contract. The Bidder did not identify any strategies to identify	
	1	The Bidder does not identify the major steps in the work plan and only provides a limited number of	
	5	The Bidder does not provide a strategy for each major step in the work plan. It is deemed ineffective in performing the duties of the contract.	
	6	The Bidder has identified a strategy for the major steps in the work plan. It is deemed adequate to meet the minimum needed for adequate performance on this aspect of the contract.	
	7.5	The Bidder has suggested strategies that identify and cover the major steps in the work plan with multiple contingencies. They are deemed above average needed for adequate performance on this aspect of the contract.	
	8.5	The Bidder has suggested strategies that cover all steps in the work plan. They are more than adequate for effective performance on this aspect of the contract.	
	10	The Bidder has suggested strategies that cover multiple contingencies in all steps of the work plan. They are deemed likely to ensure extremely effective performance on this aspect of the contract.	
	risks and ov attached rat	vercome obstacles encountered along the way (reference ting scale)	



PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

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

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

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

2. Additional Certifications Required Precedent to Contract Award

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

2.1 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be



performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

2.2 Education and Experience

SACC Manual clause A3010T (2010-08-16) Education and Experience

PART 6 - RESULTING CONTRACT

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

Title: Knowledge Synthesis and Knowledge Gap Identification to support the implementation of the Canada-Ontario Lake Erie Action Plan

1. Security Requirement

"Deleted"

2. Statement of Work

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

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the PWGSC *Standard Acquisition Clauses and Conditions Manual* (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010B (2018-06-21) General Conditions - Professional Services (Medium Complexity), as modified below, apply to and form part of the Contract.

General conditions 2010B is modified as follows:

At Section 12 Transportation Costs Delete: In its entirety Insert: "Deleted"

At Section 13 Transportation Carriers" Liability Delete: In its entirety. Insert: "Deleted"

At Section 18, Confidentiality: *Delete:* In its entirety *Insert:* "Deleted"

Insert Subsection: "35 Liability"



In this section:

Bid Solicitation No.: 5000054032

"The Contractor is liable for any damage caused by the Contractor, its employees, subcontractors, or agents to Canada or any third party. Canada is liable for any damage caused by Canada, its employees or agents to the Contractor or any third party. The Parties agree that no limitation of liability or indemnity provision applies to the Contract unless it is specifically incorporated in full text in the Articles of Agreement. Damage includes any injury to persons (including injury resulting in death) or loss of or damage to property (including real property) caused as a result of or during the performance of the Contract."

A. For professional services requirements where the deliverables are copyrightable works:

At Section 19 Copyright

Delete: In its entirety

Insert: 1.

"Material" means anything that is created or developed by the Contractor as part of the Work under the Contract, and in which copyright subsists. "Background Information" means all Intellectual Property that is not Foreground Information that is incorporated into the Work or necessary for the performance of the Work and that is proprietary to or the confidential information of the Contractor, its subcontractors or any other third party;

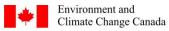
"Foreground Information" means all Intellectual Property first conceived, developed, produced or reduced to practice as part of the Work under the Contract;

- 2. Material that is created or developed by the Contractor as part of the Work under the Contract belongs to Canada. The Contractor must incorporate the copyright symbol and either of the following notices, as appropriate: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).
- 3. At the request of the Contracting Authority, the Contractor must provide to Canada, at the completion of the Work or at such other time as the Contracting Authority may require, a written permanent waiver of moral rights as defined in the <u>Copyright</u> <u>Act</u>, R.S., 1985, c. C-42, in a form acceptable to the Contracting Authority, from every author that contributed to the Work. If the Contractor is an author, the Contractor permanently waives the Contractor's moral rights.
- 4. All Intellectual Property Rights in the Material belongs to Canada as soon as they come into existence. The Contractor has no right in or to any such Intellectual Property except any right that may be granted in writing by Canada.
- 5. The Contractor also grants to Canada a non-exclusive, perpetual, irrevocable, worldwide, fully-paid and royalty-free license to use the Background Information to the extent that this information is required by Canada to exercise its rights to use the Material. This license cannot be restricted in any way by the Contractor providing any form of notice to the contrary, including the wording on any shrink-wrapped license attached to any deliverable.

At Section 06 Subcontracts

Delete: paragraphs 1, 2, and 3 in their entirety.

Insert: "The Contractor may subcontract the supply of goods or services that are customarily subcontracted by the Contractor. Subcontracting does not relieve the Contractor from any of its obligations under the Contract or impose any liability upon Canada to a subcontractor. In any subcontract, the Contractor agrees to bind the subcontractor by the same conditions by which the Contractor is bound under the Contract, unless the Contracting Authority agrees otherwise, with the exception of requirements under the Federal Contractors Program for employment equity which only apply to the Contractor."



4. Term of Contract

4.1 Period of the Contract

The period of the Contract is from date of Contract to March 15, 2022 inclusive.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

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

5.2 Technical Authority

The Technical Authority for the Contract is:

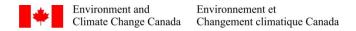
Name:		
Title:	_	
Organization:		
Address:		
Telephone:		
Email address:		

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

5.3 Contractor's Representative

The Contractor's Representative for the Contract is:

Name:	
Title:	_
Organization:	
Address:	
Telephone:	
Email address:	



6. **Proactive Disclosure of Contracts with Former Public Servants**

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7. Payment

7.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price of \$______ (insert the amount at contract award). Customs duties are______ (insert "included", "excluded" **OR** "subject to exemption") and Applicable Taxes are extra.

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

7.2 Limitation of Expenditure

- (a) Canada's total liability to the Contractor under the Contract must not exceed \$ _____. Customs duties are (*insert* "included", "excluded" or "subject to exemption") and Applicable Taxes are extra.
- (b) No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (i) when it is 75 percent committed, or
 - (ii) four (4) months before the contract expiry date, or
 - (iii) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

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

8 Invoicing Instructions

8.1 Milestone Payments

(a) Canada will make milestone payments in accordance with the Schedule of Milestones detailed below and the payment provisions of the Contract if:



- (i) an accurate and complete claim for payment and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (ii) all such documents have been verified by Canada;
- (iii) all work associated with the milestone and as applicable any deliverable required have been completed and accepted by Canada.

8.2 Schedule of Milestones

The schedule of milestones for which payments will be made in accordance with the Contract is as follows:

	Deliverables	Proposed
		Timeline
1	a. Minutes of a start-up teleconference/meeting with	Week 1
	Project Proponent	
	b. Development of 6 policy theme areas	Nov 30, 2020
	c. Scientific Synthesis for first policy theme area	Jan 08, 2021
	d. Selection of reviewers & start peer review	Jan 15, 2021
	e. Conceptual Model for first policy theme area.	Jan 31, 2021
	f. Address comments from peer review	Feb 28, 2021
	g. Facilitate Scientific Consensus	Mar 11, 2021
	h. Address comments from ECCC staff responsible for	April 15, 2021
	implementing the Canada-Ontario Lake Erie Action Plan	April 15, 2021
2	a. Scientific Synthesis for remaining policy theme area	Sant 20, 2021
	(delivered on monthly basis beginning Mar 31 2021)	Sept 30, 2021
	b. Finalize selection of additional reviewers	Oct 15, 2021
3	Conceptual Model for each policy theme area.	Oct 31, 2020
4	a. Address comments from peer review	Jan 15, 2022
	b. Development of Scientific Consensus Statements	Feb 15, 2022
5	Final report to be completed for ECCC	Mar 15, 2022

9. Certifications

9.1 Compliance

Compliance with the certifications provided by the Contractor in its bid is a **condition** of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

10. Applicable Laws

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

11. **Priority of Documents**



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

- (a) the Articles of Agreement;
- (b) Modified 2010B General Conditions Professional Services (Medium Complexity) (2018-06-21)
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____, (insert date of bid) (If the bid was clarified or amended, insert at the time of contract award: "as clarified on _____" or "as amended on _____" and insert date(s) of clarification(s) or amendment(s).



ANNEX A

STATEMENT OF WORK

- **Title of Project:**Knowledge Synthesis and Knowledge Gap Identification to support the
implementation of the Canada-Ontario Lake Erie Action Plan
- Project Purpose: Environment and Climate Change Canada (ECCC) requires assistance in establishing an Adaptive Management process as part of our commitment to support the implementation of the Canada-Ontario Lake Erie Action Plan (CO LEAP). The adaptive management process is the framework for ECCC to understand the impact of management plan options on the waters of the Lake Erie Basin and to evaluate the success of implementation actions under the Plan. It is a formal process to utilize what ECCC learns from monitoring performance indicators to adjust management actions to increase the reduction of phosphorus loads. This formalized adaptive management process will allow ECCC to make science based management decisions for Lake Erie.

The contractor must provide scientific consensus statements of 6 - 8 policy theme areas to be identified that are critical to ECCC, including a synthesis of the relevant science, the required research and monitoring and conceptual models describing the relevant management practices that are important to meeting P load reduction targets.

Objectives of this work: Develop a consensus of relevant scientific knowledge for each policy area to provide ECCC with the scientific foundation for management decision-making.

Specifically, this work will consist of five major tasks for each policy theme:

- Review and write a synthesis of the relevant scientific research available to address each policy theme area. Each synthesis must include a comprehensive summary of the relevant science for each theme area, highlighting what is known and the level of confidence, gaps in the scientific knowledge, and the risks associated with each gap as it relates to the successful implementation of the CO LEAP.
- 2. Using the synthesis, draft a conceptual model of the relevant processes governing nutrient loss to Lake Erie that must be managed in responding to each policy theme area.
- 3. Conduct a peer review of each completed synthesis.
- 4. Complete the development of scientific consensus by soliciting the perspectives of ECCC staff, which must comprise the three following products for each policy theme area:
 - finalize the synthesis of the scientific knowledge required to address the policy theme area,
 - finalize the research and/or monitoring required to generate data to address scientific knowledge, and



- finalize the conceptual model for each policy theme area gaps.
- 5. Provide a final synthesis for each theme area including:
 - o the conceptual model,
 - o the scientific consensus statement,
 - the research and/or monitoring requirements to address the question, and
 - \circ the expected data/information that will be derived from the research .

Tasks:The contractor must perform the following tasks for each policy theme area under
direction of ECCC:

Task 1: Development of Policy Theme Areas

- Facilitate the development of six eight policy theme areas with ECCC staff.
- Finalize the six eight policy theme areas after review by ECCC staff.

Task 2: Scientific Synthesis

- Review the peer-reviewed scientific research that is required to address each policy theme area.
- Review unpublished scientific reports completed by ECCC or obtained from other agencies by ECCC.
- Review other grey literature.
- Conduct discussions with up to 3 experts on their opinions of the state of knowledge for each policy theme.

Task 3: Conceptual Model

- Using the results of the synthesis, develop a conceptual model of the relevant processes to support management actions in addressing each policy theme areas.
- The models must include:
 - o Include drivers that can be managed in addressing each question.
 - o include drivers, such as climate, that cannot be managed.
 - reflect the complexity in the literature, illustrating multiple pathways of causality and multiple outcomes.
 - indicate the level of uncertainty in the research where scientific consensus is not clear (e.g., due to paucity of data, regional differences, etc.).

Task 4: Peer Review

- Identify five external reviewers with sufficient expertise to review each synthesis.
- Prioritize three out of the five reviewers and justify the selection of each reviewer.
- Select three reviewers from a list of five developed with suggestions from ECCC staff and document the rational for the selection.
- Engage the external reviewers in a peer review of each synthesis document.



• Address the reviewers' comments in conjunction with ECCC.

Task 5: Scientific Consensus

- Solicit the perspectives of ECCC staff, in the development of a scientific consensus for each synthesis based on the interviews from experts and the results of the peer review.
- Finalize the conceptual models and any research and monitoring requirements representing the knowledge contained in the scientific consensus statements and the knowledge of ECCC staff.
- Organize a Forum and act as official host to present the Synthesis key findings and consensus statements, consulting with ECCC staff on stakeholders and other participants.

Task 6: Final Report

• The final report must include the separate syntheses, the statement of scientific consensus and the conceptual model to support management actions addressing each policy theme area.

The final report must include as annexes documentation of:

- the literature review processes (keywords, databases searched, criteria and metadata for quality assessment of each paper reviewed, etc.
- prioritization and justification of peer reviewer selection.
- the processes undertaken to achieve scientific consensus and conceptual model building, including the parties contributing to these efforts.

GENERAL INSTRUCTIONS:

- Final Reports must be provided in English, observing all spelling and grammar rules.
- Reports must be completed in MS Word.
- All references to information sources shall be clearly marked.
- The contractor must provide an Executive Summary covering all six to eight syntheses.

Deliverables:

All final deliverables shall be completed for review by March 15, 2022.

	Deliverables	Proposed Timeline
1	a. Minutes of a start-up teleconference/meeting with Project Proponent	Week 1
	b. Development of 6 policy theme areas	Nov 30, 2020
	c. Scientific Synthesis for first policy theme area	Jan 08, 2021
	d. Selection of reviewers & start peer review	Jan 15, 2021
	e. Conceptual Model for first policy theme area.	Jan 31, 2021
	f. Address comments from peer review	Feb 28, 2021
	g. Facilitate Scientific Consensus	Mar 11, 2021
	h. Address comments from ECCC staff responsible for implementing the Canada-Ontario Lake Erie Action Plan	April 15, 2021
2	a. Scientific Synthesis for remaining policy theme area (delivered on monthly basis beginning Mar 31 2021)	Sept 30, 2021
	b. Finalize selection of additional reviewers	Oct 15, 2021
3	Conceptual Model for each policy theme area.	Oct 31, 2020



4	a. Address comments from peer review	Jan 15, 2022
	b. Development of Scientific Consensus Statements	Feb 15, 2022
5	Final report to be completed for ECCC	Mar 15, 2022

Departmental Support

ECCC will supply reports completed under the 2012 Great Lakes Water Quality Agreement, Annex 4 that are relevant to this project:

- 1. The Amended 2012 Great Lakes Water Quality Agreement, Annex 4 Nutrients
- 2. The State of Lake Erie and Related Nutrient Loadings
- 3. Policy Options to Consider for The Project
- 4. Agreements, Strategies, and Plans governing and guiding the control and management of Lake Erie (and other Great Lakes) nutrients.
- 5. Legislation/Regulations and Programs the policy instruments that are (or may) be applied, and the funding and other support programs and incentives that are (or have been) used to reduce phosphorus (and other nutrients) loadings to Lake Erie (and other Great Lakes).
- 6. Key Reference Documents a synopsis of scientific and technical studies and policy analyses completed, underway, or proposed that can be drawn upon in conducting The Project.
 - a) 2013 BMPs in Urban Areas (Environment Canada/GENIVAR)
 - b) 2013 Great Lakes Nutrient Initiative: Agricultural Phosphorus Management Beneficial Management Practice Review (Environment Canada/The Thomsen Corporation)
 - c) 2013 Great Lakes Nutrient Initiative: Best Management

Practices for Urban Areas to Manage Phosphorus – Policy, Programs & Legislative Review (Environment Canada/Hutchison Environmental Sciences Ltd.)

- d) 2015 Algal Blooms: Estimating Costs to the Lake Erie Basin Economy (Environment Canada/Midsummer Analytics)
- e) 2016 Evaluation of Policy Options to Achieve Phosphorus Reductions from Canadian Sources to Lake Erie (ECCC/Greenland International Consulting)
- f) 2020 Review of Watershed Models and Modelling the Impacts of BMPs (ECCC/Ecological Modelling Laboratory)
- g) 2020 Models to support Adaptive Management (ECCC/Wyndham Research, Inc)



ANNEX B

BASIS OF PAYMENT

The Contractor will be paid as follows:

Deliverables	% of Professional Fees
1a. Minutes of a start-up	
teleconference/meeting with Project	
Proponent	
1b. Development of 6 policy theme areas	
1c. Scientific Synthesis for first policy theme	
area	
1d. Selection of reviewers	
1e. Conceptual Model for first policy theme	25% invoiced with this
area.	deliverable (Jan 31, 2021)
1f. Address comments from peer review	
1g. Facilitate Scientific Consensus	25% invoiced with this
	deliverable (Mar 31, 2021)
1h. Address comments from ECCC staff	
responsible for implementing the Canada-	
Ontario Lake Erie Action Plan	
2a. Scientific Synthesis for remaining policy	
theme area (delivered on monthly basis	
beginning Mar 31 2021)	
2b. Finalize selection of additional	
reviewers	
3. Conceptual Model for each policy theme	25% invoiced with this
area.	deliverable (Oct 31, 2021)
4a. Address comments from peer review	
4b. Development of Scientific Consensus	
Statements	
5. Final report to be completed for ECCC	25% invoiced with this
	deliverable (Mar 15, 2022)

 Total Proposal Price
 \$______

 Applicable Taxes
 \$______

 Total Price (Including Applicable Taxes)
 \$_______