

REQUEST FOR PROPOSALS

Trash Capture Device Deployment and Operation for the project Reduction of Marine Litter



Commission for Environmental Cooperation

2022

I. Overview

The Commission for Environmental Cooperation (CEC) is requesting proposals from prospective consultants to deploy and operate trash capture devices at three project sites in North America (one per country). Specifically, the consultant would be expected to recommend a type of trash capture device, deploy the selected device(s) in three waterways, and report results on the litter collected.

The CEC was established by the governments of Canada, Mexico and the United States through the North American Agreement on Environmental Cooperation, the environmental side agreement to NAFTA. An intergovernmental organization, the CEC brings together citizens and experts from governments, nongovernmental organizations, academia and the business sector to seek solutions to protect North America's shared environment while supporting sustainable economic development. Find out more at: <www.cec.org>.

The CEC's Council, its governing body, approved the project entitled Reduction of Marine Litter as part of the Operational Plan for 2021, with the purpose of preventing marine litter by demonstrating, educating, and communicating about the flow of marine litter from inland communities to the marine environment. For a complete description of the project, including tasks and related budget, please visit the CEC website at: <<http://www.cec.org/reduction-of-marine-litter/>>.

II. Terms of Reference

A. Overview and Scope

One of the objectives of the *Reduction of Marine Litter* project is to demonstrate the flow and types of commonly littered items downstream to the ocean. Building on previous CEC work, the proposed work aims to build public awareness about marine litter by deploying trash capture devices in local waterways and collecting comparable data from sites in Canada, Mexico, and the United States.

Deploying trash capture devices in waterways will help build local capacity, remove plastic pollution from the environment, and strengthen public awareness. This work, combined with other community engagement activities, can help inform the development of community-led action plans to address the issue of inland litter.

B. Description of Services

The consultant shall coordinate with the CEC's designated contacts to accomplish the following:

Phase 1 – Planning (Start of contract to end of May 2022)

1. Assess and recommend trash capture device for selected project sites. The tentative sites are in Canada (Rideau Canal, Ontario or Lachine Canal, Quebec), Chiapa de Corzo, Mexico, and the Upper Mississippi River Quad Cities region, United States (specific site TBC).

- 1.1 Conduct preparatory research on trash capture device options applicable to the sites and prepare a short briefing note (3-5 pages) for the Project Steering Committee and local authorities. The note should include a review of existing information and practices, an assessment of efficacy and suitability of a suite of devices that are applicable and

relevant to local site conditions and geography, and a shortlist of devices for consideration by the local authorities, the Project Steering Committee, and the CEC.

1.2 Hold virtual meetings with local authorities for each site to discuss feasibility and appropriateness of trash capture devices for the site.

1.3 Draft summary reports from the meetings with local authorities, including the final decision on type of trash capture device(s).

2. Identify a consistent methodology and work plan for data collection and reporting across the three test sites.

2.1 Propose a consistent methodology, building on existing methods, where appropriate, for data collection and reporting for litter analyses across the three test sites, with the aim of including a community science component in the data collection process. The CEC will provide information on existing methodologies (for example, [EPA's Escaped Trash Assessment Protocol](#)) that are currently widely used throughout North America.

2.2 Hold calls with Project Steering Committee and CEC staff, as appropriate, to discuss and refine the methodology.

2.3 Deliver a report or protocol outlining the methodology and work plan for data collection and reporting. The work plan should include the frequency of data collection, individual(s) responsible, a reporting timeline, and a plan for the recovery or recycling of collected litter.

Phase 2 – Deployment (June to October 2022)

3. Acquire, install, operate, and monitor trash capture devices.

3.1 Acquire and install trash capture devices selected under Action 1 at all three sites (at least one in each country). Pending the results of the Phase 1 analysis, each site may deploy different capture devices.

3.2 Operate the devices and conduct litter analyses using methodology agreed upon under Action 2 for a set period of time as outlined in the Action 2 workplan in collaboration with the local community.

3.3 Collaborate with local consultant(s) selected by the CEC to facilitate a community science activity.

Phase 3 – Data Consolidation and Communicating Results (November 2022 to December 2023)

4. Report on waste analyses.

4.1 Compile data (e.g., types and amount of litter) collected from all three sites, according to methodology agreed upon under Action 2.2. This will include data from the community science activity, to be provided by the CEC.

4.2 Prepare “waterway litter snapshot” reports for all three sites, integrating feedback received from the CEC and Project Steering Committee, as appropriate. These reports will

be used to communicate the local litter conditions, including major types and potential sources, during a public awareness campaign implemented by the CEC.

4.3 Prepare a final trash capture report on the litter analysis data within and across the three sites, integrating feedback received from the CEC and Project Steering Committee, as appropriate. The trash capture report may also include potential recommendations for future interventions, based on the data.

4.4 Prepare a final briefing note containing information on successful installation and operation of trash capture devices, as well as challenges and limitations, to inform potential future implementation in other communities.

4.4 Participate in local workshops and community engagement activities, as appropriate, to present information collected from the trash capture devices, as well as potential future interventions and strategies to reduce litter, based on the data.

Deliverables

1. Briefing note on trash capture device options for Project Steering Committee and local authorities.
2. Progress report containing summary of discussion with local authorities and selection of trash capture device type.
3. Draft proposed methodology and work plan for consistent data collection and reporting, for review by CEC staff and Project Steering Committee.
4. Report or protocol outlining the agreed-upon methodology and work plan for data collection, for Project Steering Committee and consultant leading the community science activity.
5. Trash capture devices are acquired, installed and operated and data are collected using the agreed-upon methodology
6. "Waterway litter snapshot" reports for all three sites, for review by CEC staff and Project Steering Committee, to be used during public awareness campaign.
7. Final trash capture report compiling litter analysis data, trends within and across all three sites, and potential recommendations for future interventions, for review by CEC staff and Project Steering Committee.
8. Briefing note on successful installation and operation of trash capture devices, as well as challenges and limitations, to inform potential future implementation in other communities.
9. Participation in or contribution to local action plan workshops, as needed.

Meeting Arrangements:

The CEC will arrange remote conferencing services for meetings with local authorities, etc.

C. Periodic Reporting Requirements

Throughout the project, the consultant will work in close collaboration with the CEC, the Project Steering Committee, and experts to gather information to support delivery of the work. The consultant may consult directly with government officials and other experts, as needed. However, the consultant shall report only to, and receive direction only from the CEC designated staff.

The CEC Secretariat will forward draft deliverables to the project's Steering Committee and other experts, for their review and comment.

The CEC Secretariat will arrange teleconferences with the consultant, the CEC designated staff, and other experts on an as-needed basis. The goal of these meetings will be to present the products and assess progress on the project. The consultant is expected to be available for these calls, at mutually agreed times. The consultant will inform the CEC of any potential problems and suggest solutions and actions that could be taken to facilitate the achievement of desired results. The consultant will work in his or her own offices

Provisional timeline of expected deliverables

Phase I (start of contract to 31 May 2022)	
late March 2022	Briefing note on trash capture device options for Project Steering Committee and local authorities
April 2022	Host meetings with local authorities
early May 2022	Progress report containing summary of discussion with local authorities, and selection of trash capture device type
early May 2022	Draft proposed methodology for consistent data collection and reporting
late May 2022	Report or protocol outlining the agreed-upon methodology for data collection
Phase II (1 June 2022 to 31 October 2022)	
June 2022	Trash capture device installation in waterways
June-October 2022	Monitoring and maintenance of trash capture devices
June-October 2022 (date TBD)	Provide support role for community science activity
Phase III (1 November 2022 to 31 December 2023)	
early December 2022	"Waterway litter snapshot" reports for all three sites for use during public awareness campaign
early February 2023	Final report compiling waste analysis data and trends
early April 2023	Briefing note on successful installation and operation of trash capture devices, as well as challenges and limitations
mid-late 2023	Participate in and contribute to local action plan workshops, as needed

D. Quality of Deliverables

The consultant is responsible for providing deliverables of **publishable quality** (i.e., copy-edited prior to submission) in English and, when applicable, for the technical editing of the materials. The consultant will submit to the CEC Secretariat all written material (including complete drafts and final reports) in Microsoft Word, following the format of the CEC's [Report Template](#) when applicable and adhering to the precepts of the [Guidelines for CEC Documents and Information Products](#), as supplemented by the CEC's English [Style Guide](#). Supporting documents for tables, figures and maps will be submitted with the report in their original file format (e.g., Excel or

ArcGIS). Note that all amounts shall be presented in metric units. The CEC Secretariat will be responsible, when applicable, for translation, printing, publication and distribution of products from this activity.

Upon delivery by the consultant of a final version of the report or other written materials under the project, the CEC reserves the right to a 15-business day period to review the document(s), notify the consultant of any potential issues or errors, and return the document(s) to the consultant for appropriate corrections, at no extra cost. In all cases, contract payments will be withheld if products submitted to the CEC fail to fulfill the quality and formatting requirements specified above. In the event that the consultant neglects to make the required corrections or if, following corrections, a deliverable remains unsatisfactory, the document shall be edited or revised by a third party designated by the Secretariat, the cost of which shall be deducted from the consultant's fees at a rate of C\$60 per hour.

E. Plagiarism

Plagiarism is the act of conveying someone else's original expression or creative ideas as one's own and can be a violation of copyright law. Neither intentional nor unintentional plagiarism is acceptable to the CEC. The consultant must follow good scholarly methodology in preparing reports and deliverables under the contract, including systematic referencing in footnotes or in-sentence references, for any secondary sources, quotations, data, etc., that do not originate with the author. Sources for tables and figures reproduced from other literature must be given in a "Source" attribution immediately below the table or figure. Failure to properly reference the source of such borrowed material constitutes plagiarism and will be considered a breach of contract. For further information, see [Guidelines for CEC Documents and Information Products](#). In addition, for every written deliverable submitted, the Consultant must use iThenticate software, or an equivalent software approved by the Commission, to validate the written product in question and must forward the plagiarism review results to the CEC at the time of document submission. Contract payments will be retained if products do not fulfil these requirements.

III. Requirements and Proposal Evaluation

A. Mandatory Requirements

To be eligible for further consideration, all consultants must fulfill the following basic requirements.

1. In-country Ability

The consultant, as well as all their personnel and subconsultants, must reside and be authorized to work legally in Canada, Mexico or the United States of America. If travel is required, the consultant must possess valid documentation to travel within these countries.

2. Key Personnel

For the purposes of this RFP, the term "consultant" may refer to either a group or company or a single individual.

If a proposal is submitted by a consortium of individuals or institutions, a "lead" consultant should be designated to take responsibility for ensuring overall coordination, the coherence of activity outputs, and the integration of information and ideas.

3. Qualifications Required

The consultant must possess competence, knowledge, and experience in:

- Trash capture device deployment and operation in North America
- Litter analysis and reporting using trash capture devices
- Working effectively and with appropriate consideration to social and cultural differences across Canada, Mexico, and the United States.
- Ability to carry out field work in the three countries.

The consultant must be fluent in both written and spoken English; proficiency in Spanish and/or French is desirable.

4. Proposal Submission

It is the intention of the CEC Secretariat to include the **Terms of Reference (Section II)** of this document) in the contract negotiated with the successful applicant. Therefore, prospective consultants should refer to these for more detailed information on the project and the services to be provided. Prospective consultants are requested not to reiterate the Terms of Reference in their submissions but are invited to suggest modifications to enhance the proposal.

Proposals must include the following:

- A brief statement of interest and intent. This statement should be based upon and serve to demonstrate the consultant's experience and subject knowledge. The statement should address desired results; guidelines (parameters within which results are to be accomplished); resources (human, financial, technical, or organizational support available to help accomplish the results); and other aspects deemed applicable by the consultant. The purpose of this statement is to demonstrate not only the consultant's general and specific familiarity with the subject area, but also to highlight writing skills;
- A general work plan for carrying out this project;
- Proposed methodology;
- Suggested modifications to the Terms of Reference, and the reasons for such modifications;
- Resumes of the key personnel involved in the project;
- Detailed cost breakdown, including number of person/days of key and other personnel, direct and indirect costs, travel costs and applicable taxes;
- Description of relevant experience and any other relevant information;
- Two samples of previous work;
- Two letters of recommendation from previous assignments; and
- List of no less than three references.

B. Other Information to be Provided

Potential consultants are encouraged to submit any additional information that they believe will assist the CEC Secretariat in the evaluation of their proposal. However, the proposal should not exceed six (6) pages, exclusive of applicant resumes, samples of previous work or corporate brochures.

C. Type of Contract to be Used for These Services

The CEC Secretariat intends to use its milestone-based contract for these services. A sample is available upon request. If the contract is negotiated with a consortium, the CEC will offer the consultants the option to have separate contracts between each consultant and the CEC.

All work within the contract must be completed by 31 December 2023.

D. Selection Procedure

The consultant deemed best qualified will be selected on the basis of a competitive process, in accordance with sections 2.5-2.7 of the [CEC Consultant Services Procurement Manual](#).

Proposals that the CEC Secretariat determines to be complete will be evaluated according to the procedure described below. Prospective consultants who submit proposals determined by the CEC Secretariat to be incomplete will be so notified in writing.

Each complete proposal that is submitted will be evaluated by the CEC Secretariat according to the following criteria, with a point rating assigned for each:

Evaluation Criteria	Maximum Point Rating
Experience, qualifications and competency of key personnel	40
Understanding of project requirements and adequacy of work plan	30
Suitability of the proposed approach	10
Adequacy of budget	10
Writing ability	10
Total	100

A minimum score of 80 will be required for the prospective consultant's proposal to be eligible for further consideration. Cost efficiency will be taken into account in the evaluation.

Proposals in response to this request will be evaluated by the CEC designated staff and technical reviewers, who will form an Evaluation Committee. Each member of the Evaluation Committee will receive a copy of the proposals and will be asked to rate each proposal using the evaluation criteria and its maximum point ratings given above.

The CEC designated staff will arrange for a conference call/meeting among the members of the Evaluation Committee to discuss the ratings, arrive at final scores, and, subsequently, a ranking of all proposals. The strengths and weaknesses of each proposal, in terms of the evaluation criteria, will be noted and summarized. Once the selection has been made, each prospective consultant will be provided with their score—if requested—along with their comparative ranking. However, neither the evaluations nor the scores of other bidders will be provided.

E. Estimated Level of Resources Required

The budget for this activity is not expected to exceed C\$488,000 including professional fees and expenses. Reimbursable expenses are detailed in the CEC standard contract, available upon request; in addition, the cost of using iThenticate or equivalent software to detect plagiarism (US\$50) should also be considered.

For universities and nongovernmental organizations, note that the CEC accepts that overhead be charged for administration and other indirect costs up to 15% of the total value of the contract.

If the proposal were presented by a consultant established in Mexico, the applicable value-added tax will be 0%, in accordance with Article 29, section IV, paragraph a) of Mexico's VAT Act, as these are technical services that were engaged from abroad.

If a currency other than Canadian dollars is used, the consultant should indicate the total cost of the professional services in Canadian dollars as well as the currency of choice, for comparison purposes.

F. Basis of Payment Required

The consultant will be paid by milestone.

Payment shall be made only for *bona fide* consultant fees and legitimate expenses incurred in accordance with the contract for professional services, and only upon receipt and documented acceptance by the Secretariat of statement(s) of account/invoice(s) from the consultant. Settlement of invoices that are acceptable for payment will normally be made 30 days from the date of receipt by the Commission.

G. Conflict of Interest

“Conflict of interest” means, but is not limited to, a situation where a consultant’s personal interest is sufficiently connected with professional duties under the contract, such that it results in a reasonable apprehension that said personal interest may influence the exercise of professional responsibilities under the contract. For example, a direct conflict of interest exists when the consultant is also a CEC government official, or is related to or closely affiliated with a CEC government official, CEC staff member or third party involved with the performance of the services.

The consultant will inform the CEC Secretariat of any circumstance that existed prior to the execution of this contract, or that could manifest during the performance of this contract, which could constitute a conflict of interest. The consultant will complete and sign, on behalf of all his or her personnel, the attached *Declaration of Acceptance and Impartiality and Independence* (see Annex). The Consultant will also take note of the [CEC Consultant Services Procurement Manual](#).

H. Deadlines for Proposal Submission and Decision

The proposal, including all relevant attachments, must be received by the CEC Secretariat offices by **17:00 EST on 21 February 2022**. Proposals submitted after this deadline will not be considered.

Proposals must be submitted via e-mail to lroy@cec.org. Proposal format may be in Microsoft Word or Adobe PDF format. Once the proposal has been submitted electronically, the CEC will confirm receipt within three business days. If receipt is not confirmed by e-mail within this time, **applicants must contact the CEC**. The contact person is:

Lauren Roy
Project Lead, Ecosystems Unit
Commission for Environmental Cooperation
700 de la Gauchetière St. West, Suite 1620
Montreal, QC, Canada H3B 5M2
Tel: 514-350-4300; Fax: 514-350-4314

The CEC Secretariat intends to select the consultant and notify the applicants within a reasonable period of time following the proposal submission deadline.

ANNEX (see also Schedule D in CEC standard contract)

CONSULTANT'S DECLARATION OF ACCEPTANCE AND IMPARTIALITY AND INDEPENDENCE FOR CONTRACT

I, the undersigned,

Last Name: _____ First Name: _____

ACCEPTANCE

☐

hereby declare that I accept to serve as consultant in the subject contract.

IMPARTIALITY AND INDEPENDENCE

(If you accept to serve as a consultant, please check one of the two following boxes. The choice of which box to check will be determined after you have taken into account, inter alia, whether there exists any past or present relationship, direct or indirect, with any of the Parties to the Environmental Cooperation Agreement (ECA) or their Commission for Environmental Cooperation ("CEC") representatives, Secretariat staff, and/or third parties involved in the performance of this contract, whether financial, professional, familial, or of another kind and whether the nature of any such relationship is such that disclosure is called for pursuant to the criteria set out below. Any doubt should be resolved in favor of disclosure.)

☐

I am impartial and independent with respect to the ECA Parties and their CEC representatives, CEC Secretariat staff, and third parties involved in the performance of this contract, and intend to remain so; to the best of my knowledge, there are no facts or circumstances, past or present that need be disclosed because they are likely to give rise to justifiable doubts as to my impartiality or independence, and that may constitute a conflict of interest.

OR

☐

I am impartial and independent with respect to the ECA Parties and their CEC representatives, Secretariat staff, and/or third parties involved in the performance of this contract, and intend to remain so; **however**, I wish to call your attention to the following facts or circumstances which I hereafter disclose because they might be of such a nature as to give rise to justifiable doubts as to my impartiality or independence, and that may constitute a conflict of interest. Where facts or circumstances exist that might give rise to the latter such doubts, I may set out measures I intend to take to mitigate or eliminate any doubts regarding my impartiality and independence, and/or a possible conflict of interest. (Use separate sheet and attach.)

Date: _____

Signature: _____