

**5P300-21-0077/RFI**

REQUEST FOR INFORMATION – ELECTRIC POWERED VESSEL OPTIONS FOR PARKS CANADA AGENCY (THOUSAND ISLANDS NATIONAL PARK)



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## **Request for Information**

**ELECTRIC POWERED VESSEL OPTIONS**

**FOR PARKS CANADA AGENCY (Thousand Islands National Park)**

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RFI Closing Date: August 3, 2021 at 2:00 pm Eastern Daylight time

**Canada**

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**Part I: Description****Introduction**

Thousand Islands National Park (TINP) is located in South Eastern Ontario, headquartered in Mallorytown Landing. The Park is comprised of various land and island based infrastructure and property.

The Park has numerous island properties on the St. Lawrence River and in Lake Ontario, some solely owned by Parks Canada and some jointly owned with private landowners. TINP is visited annually by pleasure and commercial vessel operators, who use Park docks, campgrounds, mooring buoys, etc.

TINP is committed to supporting the Government of Canada's "Greening of Fleet" initiative to reduce greenhouse gas (GHG) emissions from federal operations by 80% by 2050 and sooner in Parks Canada.

Given the above information, TINP is thinking about purchasing an all electric powered light vessel. This subject vessel would be operated along the St. Lawrence River (Kingston to Brockville), for work within the Thousand Islands region. The primary purpose of this vessel would be for administrative duties and some minor operational duties. The vessel would be launched and recovered by trailer or moored at a shore facility dock.

**Electric (Battery Powered) Vessel Options**

TINP would like to purchase or have constructed a general purpose, outboard driven vessel that is powered solely by a battery electric propulsion system. The goal is:

- To take the initiative early to fulfill our commitment to GHG emission reduction.
- Reduce operation and maintenance costs in the Parks vessel fleet.
- Introduce a "Culture shift" to the Park staff who operate vessels.
- Model to park visitors, Parks Canada's commitment to GHG emission reduction.

**Current Situation**

Parks Canada manages and operates small vessels in support of its programs and missions. TINP maintains and operates a fleet of 13 gas powered vessels from 5M to 8M length overall (LOA). Operation season is approximately April to November each year. Vessels are both inboard and outboard driven.

Park vessels are used for various purposes as follows.

- Law enforcement duties
- Transportation of tools and equipment for maintenance.
- Transportation of staff and supplies for maintenance and upkeep of island properties.
- Duties related to resource conservation activities including wildlife, tree and plant surveys.
- Search and rescue activities.
- Transportation of personnel.

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**Part II: Request for Information (RFI)****Nature of Request for Information**

This is not a bid solicitation. This RFI will not result in any direct request for proposal or the award of any contract. As a result, potential suppliers of any goods or services described in this RFI should not reserve stock or facilities, nor allocate resources, as a result of any information contained in this RFI. Nor will this RFI result in the creation of any source list. Therefore, whether or not any potential supplier responds to this RFI will not preclude that supplier from participating in any future procurement. Also, the procurement of any of the goods and services described in this RFI will not necessarily follow this RFI.

This RFI is simply intended to solicit feedback from industry with respect to the matters described within this document

**Nature and Format of Responses Requested**

Respondents are requested to provide their comments, suggestions, concerns and, where applicable, alternative recommendations regarding how the requirements or objectives described in this RFI could be satisfied. Respondents are invited to respond to Canada's questions and provide comments regarding the content, format of any draft documents included in this RFI. Respondents should explain any assumptions they make in their responses.

**Response Costs**

Canada will not reimburse any respondent for expenses incurred in responding to this RFI.

**Treatment of Responses**

1. Use of Responses: Responses will not be formally evaluated, but Parks Canada may use those it receives to develop or modify procurement strategies or any draft documents contained in this RFI. Parks Canada will review all responses received by the RFI closing date. Parks Canada may, in its discretion, review responses received after the RFI closing date.
2. Review Team: A review team of Parks Canada representatives will review the responses. Parks Canada reserves the right to hire any independent consultant, or use any Government of Canada resources that it deems necessary to review any response. Not all members of the review team will necessarily review all responses.
3. Confidentiality: Respondents should mark any portions of their response that they consider proprietary or confidential. Parks Canada will handle the responses in accordance with the Canada's Access to Information Act.
4. Follow-up Activity: Parks Canada may, in its discretion, contact any respondents to follow up with additional questions or to clarify any aspect of a response.

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**Contents of this RFI**

This RFI contains specific questions addressed to the industry. It remains a work in progress and respondents should not assume that new requirements will not be added to any potential future bid solicitation that would ultimately be published by Parks Canada. Nor should respondents assume that none of the requirements will be deleted or revised. Comments regarding any aspect of the draft document are welcome.

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**PART III: QUESTIONS TO THE INDUSTRY**

PCA is asking interested vendors to identify and fully describe their ability to design, build and deliver a vessel meeting the following general description.

- Open (No Cab) welded aluminum runabout type vessel with (Dual console/split windshield) wheel steering and controls.
- Planing V hull design.
- Vessel dimensions:
  - ✓ 5.2-6M LOA
  - ✓ 1.5-2M Beam
  - ✓ .25-.5M draft (Max)
- 50-60KM cruising range.
- 25-35KMH cruising speed.
- Electric battery powered outboard motor propulsion only.
- Battery driven only, no back up power.
- Capable of operator and 2 adult passengers with 25KG (Max) personal gear each.
- Minimum 150KG payload i.e. tools, equipment, supplies. (over and above all required safety gear and vessel operations requirements).
- Easily towed, launched and retrieved at a typical boat launch using a half ton pickup truck.

**RFI Questions**

1. Has the vendor constructed and delivered a vessel the same or similar in the past? If so:
  - How recently?
  - What were the approximate time lines for the project in weeks? i.e.
    - Design time
    - Purchase of materials and supplies
    - Construction
    - Delivery
    - Any other relevant time lines
  - What brand or company supplied the outboard power unit?
  - What brand or company supplied the vessel?
  - What was the hull type or configuration? (displacement, planing, etc?)
  - What were the dimensions of the vessel?
  - What performance requirements did it meet? (i.e. range, cruising speed, recharge time, number of passengers, payload etc.)
  - Could PCA (TINP) contact the owner to inquire about their experience with the vessel? If so, please provide owner contact information.
  - In what geographic area was/is the vessel used?
2. With regard to the vendors recommended outboard power unit where is the closest facility for service? (Park headquarters is in Mallorytown, Ontario, Canada)
3. What was/is the required re-charge time for the battery pack from 25% to 100%?
4. What power requirement does the vendors recommended charging system require? (i.e. 12 Volt, 240 Volt, etc.)

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**Assumptions being made.**

1. Vessel can be operated by a staff member with a Pleasure Craft Operators Card (PCOC) valid in Canada.
2. Vessel can meet all Transport Canada requirements, (Blue Sticker certification, Transport Canada requirements etc.)

**Limitations to consider**

1. Park Headquarters is located in Mallorytown, Ontario, Canada, so consideration must be given to accessibility to repair facilities and parts.
2. TINP has no vessel or experience with a vessel similar to this and while Park staff are experienced boaters, simplicity of design and operation is very important to the Park.

The findings from this RFI may be used to develop a Request for Proposals for the implementation of a similar solution on the Trent Severn Waterway (or other waterways managed by PCA) in the future, however no work is guaranteed as a result of your response to this Request for Information.

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**PART IV: ADDITIONAL INFORMATION****Format of Responses**

1. **Cover Page:** If the response includes multiple volumes, respondents are requested to indicate on the front cover page of each volume the title of the response, the solicitation number, the volume number and the full legal name of the respondent.

2. **Title Page:** The first page of each volume of the response, after the cover page, should be the title page, which should contain:

- the title of the respondent's response and the volume number;
- the name and address of the respondent;
- the name, address and telephone number of the respondent's contact;
- the date; and
- the RFI number.

3. **Numbering System:** Respondents are requested to prepare their response using a numbering system corresponding to the one in this RFI. All references to descriptive material, technical manuals and brochures included as part of the response should be referenced accordingly.

4. **Number of Copies:** Canada requests that respondents submit electronically by email 1 copy of their responses.

**References**

Please provide the name of clients for whom you have provided solution of similar size, breadth, and complexity, including their public-facing websites and a short summary of any back-end functionality that was built that the Agency is unable to view.

<b>Client Name:</b>
<b>Website URL:</b>
<b>High level summary of solution:</b>
<b>Client Name:</b>
<b>Website URL:</b>
<b>Client Name:</b>
<b>Website URL:</b>
<b>High level summary of solution:</b>
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**Enquiries**

Since this is an RFI solicitation, Canada will not necessarily respond to enquiries in writing or by circulating answers to all potential suppliers. However, respondents with questions regarding this RFI may direct their enquiries to:

**Sonia Beauchesne**

Advisor, Procurement and Contracting

[sonia.beauchesne@canada.ca](mailto:sonia.beauchesne@canada.ca)

**Submission of Responses**

- 1. Time and Place for Submission of Responses:** Suppliers interested in providing a response should send it by email to ([sonia.beauchesne@canada.ca](mailto:sonia.beauchesne@canada.ca)) or by fax to 1-877-558-2349 by the closing date and time. Suppliers wishing to submit their responses via a channel other than email need to contact the procurement officer indicated above.
- 2. Responsibility for Timely Delivery:** Each respondent is solely responsible for ensuring its response is submitted on time to the correct email address or fax number.
- 3. Identification of Response:** Each respondent should ensure that the response is identified and that the name and email address, the RFI number and title appear legibly in the email.