

## **Emerging Renewable Power Program**

### **Expression of Interest Application Guide**

#### **Purpose of Expression of Interest Process:**

Prior to initiating a Request for Proposal Process, the program is seeking information from interested project developers to determine how much funding will be required, during which periods of time, and how many projects the program expects to fund.

#### **Program Background:**

Budget 2017 announced \$200 million in funding to support the deployment of emerging renewable electricity generating projects.

The Emerging Renewable Power Program (ERPP) will provide funding to renewable energy projects that have been widely deployed abroad but have yet to gain a foothold in Canada, or that have been successfully demonstrated in Canada but not yet commercially deployed. Projects will be assessed on the basis of a variety of technical and economic criteria, including the amount of federal support requested per Megawatt installed, clean electricity production, and GHG emissions reductions, in order to help meet the commitments made under the Pan-Canadian Framework on Climate Change. In addition to delivering GHG emissions reductions, the Program will increase government and industry experience with these types of projects and help build new supply chains in emerging renewable energy industries.

#### **Request for Proposals and Contribution Agreement Process:**

Following the completion of this EOI process, the program will launch a Request for Proposals. We anticipate that interested applicants will have approximately two months to complete the proposal templates. Additional future Requests for Proposals will only be issued based on availability of funds.

For proposals that are approved by the program, Natural Resources Canada will enter into a repayable contribution agreement. Projects will be monitored for five years following the commissioning date to determine the amount to be repaid to Canada. Within this period, if a profit is generated, the recipient will be required to repay the transfer payment amount based on the amount of profit generated multiplied by the proportion of NRCan funding of eligible project costs.

## **Instructions for EOI Template**

### **Section 1: Applicant Information**

Eligible Recipients will be:

- a) Legal entities validly incorporated or registered in Canada, including for profit and not for profit organizations such as companies, industry associations, research associations, engineering firms, renewable energy developers, independent power producers, co-operatives and standards organizations; and
- b) Provincial, territorial, regional, and municipal governments and their departments and agencies where applicable.

As part of Section 1, please include a business registration number when available.

### **Section 2: Project Information**

The program defines emerging renewable energy technologies as near-commercial electricity generation technologies that:

- Have been successfully deployed (i.e. selling power commercially) in other countries but not yet in Canada; or
- Have been successfully demonstrated in Canada but not yet commercially deployed at the utility scale

#### **2.1 Technology**

Eligible Technologies\* include:

- Offshore wind;
- Geothermal (both hot fractured rock and sedimentary rock resources)
- Tidal;
- Concentrated solar; or
- Other (e.g. wave, river current, next generation biomass). Must meet definition of an emerging renewable energy technology

\*All eligible projects must produce electricity for sale or use in Canada.

#### **2.2 Project Name:**

Please provide a name for your project so that we can easily identify it.

#### **2.3 Expected Net Capacity:**

Eligible projects must have a minimum net<sup>1</sup> capacity of 4 megawatts (1 megawatt for technologies that fall under the "other" category). Offshore wind projects would be expected to be much greater in size than 4 megawatts.

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<sup>1</sup> i.e. electricity capacity available to sell, once the project's own electricity requirements are met.

## **2.4 Project Location:**

Please provide the location of the proposed project, including nearest municipality, province and, if available, latitude and longitude.

## **2.5 Expected Start date and 2.6 Expected Commissioning date**

Enter your expected start date of project construction and the expected commissioning date. Funding priority will be given to projects that are able to commission during the funding period of April 1, 2018 until March 31, 2023.

## **2.8 Project Funding Sources**

Provide information on your expected sources of funding and amounts, including all program funding from provincial or federal programs. Please indicate if you have secured funding from other sources already and, if not, what the status of the request for funding from other sources is.

The maximum level of total Canadian government funding (federal, provincial/territorial, and municipal) authorized under this program will be 75% of eligible project costs. In cases where a recipient is a provincial/territorial, or municipal government, or their departments and agencies, the maximum level of Canadian government funding authorized shall be 100%.

## **2.9 Anticipated Purchaser of Electricity**

Provide the expected power purchaser, price and contract period. If a power purchase agreement (PPA) is in place or is currently being negotiated, please indicate the status.

## **3.1 Project Summary**

Provide a brief description of the project including any feasibility studies, exploration, and work done to date.

## **3.2 Technical Information**

### **3.2.1 Technical Description**

Describe the technology that will be used to generate electricity, the expected capacity, the expected annual production, and the expected capacity factor.

### **3.2.2 Construction Schedule**

Describe how the project will be carried out including major project milestones.

### **3.2.3 Expected Benefits:**

Describe the expected benefits of the project including expected clean electricity production, GHG emissions reductions, jobs created, engagement with and/or participation by local communities and indigenous groups in the project, heat supply or storage (where appropriate) and energy security.

## **3.3 Regulatory Issues**

Describe any current regulatory issues that might pose a barrier to the project and, if known, timelines to resolution.

#### **4. Project Financials**

The program funding period will be between April 1, 2018 and March 31, 2023. An eligible recipient may receive up to a maximum of 50% of the total eligible project expenditures and up to a maximum of \$50 million per recipient from the date a funding decision has been reached, until the end of the program funding period. Projects will be evaluated through a competitive process. A primary evaluation criteria for projects will be the amount of federal support required per megawatt of power. All contributions will be repayable if projects generate profit during the first five years following commissioning.

For offshore wind energy projects, the potential maximum amount per recipient can be greater than \$50 million due to the expected size of the projects. Where a project requests funding over \$50 million, the program will seek approval from Treasury Board.

In the table provided, please provide the expected costs, including costs paid to date, and if costs are expected after the funding period until the date of expected commissioning. Do not include any post commissioning costs in the table (e.g. maintenance).