



Marine Renewable-energy Application

OFFICE USE ONLY	
Date Received:	Application #:
Time Received:	Received by:
Date of Complete Application:	Processed by:

Type of Application

Permit (unconnected)
 Permit (cable or other equipment/structures)
 Demonstration Permit (grid connected)

1.0 APPLICANT INFORMATION

Type of Applicant (please select one)

Individual
 Registered Company in Canada
 Registered Company outside of Canada
 Not-For-Profit
 Other _____

Applicant <i>(legal name to appear on permit)</i>		
Company/Organization	Name:	Phone:
	Mailing Address:	
Primary Contact:	Name:	Position:
	E-mail:	Phone:
	Mailing Address:	
Secondary Contact:	Name:	Position:
	E-mail:	Phone :

2.0 ASSOCIATED REGULATORY APPROVALS

List any approvals, authorizations and/or ongoing permit reviews that are relevant to this application, please include the name of the issuing agency, type of approval, date applied and date of issuance. *(Insert rows as required)*

Issuing Agency:
 Authorization Type:
 Date Applied:
 Date of Issuance (if issued):

3.0 PROJECT DESCRIPTION

Include a complete description of the project through all stages of construction, operation, decommissioning and site rehabilitation. A description of the activities to be carried on under the permit must include all of the following:

- 3.1 Indicate the nature of the activity to be permitted (in-stream tidal, wave, wind, lagoon, etc.)
- 3.2 A description of the project, including all infrastructure associated with the project.

4.0 SCHEDULE OF ACTIVITIES

Include a complete activity schedule of the project through all stages of construction, operation, decommissioning and site rehabilitation. All of the following is required to the extent that it is applicable.

- 4.1 A timeline of each phase of the project, including:
 - a. The expected date each generator intended to be operated under the authority of the permit will be constructed or installed in the permit area.
 - b. If a connected generator will be operated under the permit, the expected date that the generator will be interconnected with an electrical grid of a public utility or an onshore electricity consumer.
 - c. The expected date any cable or other equipment or structure intended to be operated under the authority of the permit will be constructed or installed in the permit area.
 - d. The expected date that decommissioning and site rehabilitation activities will begin.

5.0 LOCATION OF PROPOSED ACTIVITIES

Provide information on your project location, please note that the permit area includes the entire area of submerged land within which you will be carrying out your project.

- 5.1 A survey of the proposed permit area prepared by a Nova Scotia Land Surveyor.
- 5.2 A site map produced at an appropriate scale that clearly illustrates the proposed location and proximity of any connected and/or unconnected generator, cable or other equipment or structure constructed, installed or operated under the authority of the permit.
- 5.3 Provide an explanation for the selection of the permit site, including information on any alternative sites considered. If known, include the proximity of the designated project to lands and resources currently or traditionally used by Mi'kmaq, provincial and federal lands, nearby communities, fisheries and fishing areas, and environmentally sensitive areas (e.g., protected areas).
- 5.4 A description of any special site characteristics that are essential for the activities to be carried on under the permit. If known, include proximity to key linear and other transportation components (e.g. ports, railways, roads, electrical power transmission lines).

Geographic coordinates (only for mobile activities related to prototype testing)

Please use NAD83 or WGS84

Easting (6):

Northing (7):

Zone:

Note: A legend must be supplied for all mapping describing symbols used, scale and north orientation.

6.0 TECHNICAL COMPONENTS

The technical information you provide will play an important role in the review process, therefore, it is important that you provide as much detail as possible.

- 6.1 A description of each generator intended to be operated under the permit, including technical and operational information and its nameplate capacity. **Applicants are encouraged to consult the Applicants' Guide for a complete description of required technical and operational information.**
- 6.2 A description of any cable or other equipment or structure intended to be constructed, installed or operated under the authority of the permit, including a description of all on-land ancillary equipment.

Technology Readiness Level Refer to Appendix B of the Applicants' Guide for TRL descriptions

At start of project:

At end of project:

7.0 INNOVATION

The demonstration permitting program was established to foster innovation and support new technology development. We are looking for projects that will test new ideas and concepts for generating marine renewable energy. The extent to which your generator is based on an innovative technology or design will be considered in the review process.

- 7.1 Describe how your project is innovative and differs from marine renewable energy projects under development in Nova Scotia, and if the project addresses any technical and/or non-technical challenge(s) facing the marine renewable energy sector.

8.0 DRAFT ENVIRONMENTAL MONITORING PLAN

You are required to prepare and submit a draft environmental monitoring plan detailing the processes and activities to be undertaken to measure effects of the project on the natural environment. The monitoring plan should be designed to establish the existing state of the environment and to monitor changes and/or trends in valued environmental components that may be caused as a result of carrying out the project.

- 8.1 A description of the existing environment in the permit area, including the physical and biological components in the area that may be adversely affected by the project (e.g., marine and terrestrial ecosystems that may be affected).
- 8.2 Baseline data for the permit area that is publicly available at the time of submission and any existing information on the interaction between similar infrastructure and marine life.
- 8.3 An assessment of the effects on the environment of any generator, cable or other equipment or structure to be constructed, installed or operated under the permit and how that infrastructure will interact with the environment, considering all of the following:
 - a) the physical characteristics of the permit area,
 - b) the distribution and behavior of the species in the permit area,
 - c) changes to the environment that may occur, as a result of carrying out the project, on provincial lands, on lands in a province other than the province in which the project is proposed to be carried out, or outside of Canada.
- 8.4 A description of known effects on Mi'kmaq of any changes to the environment that may be caused as a result of carrying out the project, including effects on health and socio-economic conditions, physical and cultural heritage, the current use of lands and resources for traditional purposes, or any structure, site or thing that is of historical, archaeological, paleontological or architectural significance.

9.0 RISK MANAGEMENT PLAN

You are required to prepare and submit a risk management plan describing the known and potential risks of the proposed project, as well as the measures you propose to take to anticipate, avoid, prevent, mitigate or manage the risk. As a minimum, a complete risk management plan must include the following information.

- 9.1 A description of the steps that have been taken to identify, analyze and evaluate any risks relating to the activities to be carried on under the permit, including any of the following:
 - a) risks to the environment and public safety,
 - b) operational or technical risks,
 - c) risks posed to activities that are or may be undertaken by other persons in the proposed permit area,
 - d) financial risks;
- 9.2 A description of any risk identified by the applicant, an assessment of the probability that the risk will occur and, for each risk identified,
 - a) a qualitative and quantitative assessment of the probability that the risk will occur,
 - b) a qualitative and quantitative assessment of the consequences of the risk occurring, and
 - c) a description of the measures that the applicant proposes to take to anticipate, avoid, prevent, mitigate or manage the risk;
- 9.3 A description of how the applicant will inform all individuals directly affected by any identified risk of the risk and the measures that the applicant proposes to take to anticipate, avoid, prevent, mitigate or manage the risk;
- 9.4 A description of how the applicant will monitor compliance with the risk management plan, including any audits, inspections, data collection and analysis.

10.0 ENGAGEMENT

To the extent that it is applicable, describe the steps you have taken to engage with the Mi'kmaq of Nova Scotia and the public with respect to your proposed project. If you have not undertaken any engagement activities, indicate this in your application.

Engagement with the Mi'kmaq of Nova Scotia

- 10.1 A description of the engagement activities carried out to date with the Mi'kmaq of Nova Scotia, including:
 - a) specific committees, communities and/or organizations engaged to date with regard to the project and a summary of the information shared;
 - b) date(s) of engagement or discussion(s); and,
 - c) means of engagement or discussion(s) (e.g., community meetings, mail or telephone, etc.).
- 10.2 An overview of key comments and concerns expressed and any responses provided to each of these comments or concerns, and if a, a summary of changes made to the proposed project.
- 10.3 A description of all steps taken or proposed to be taken to address any concerns expressed.

Public Engagement

- 10.4 An overview of any ongoing or proposed stakeholder consultation activities, including:
 - a) specific committees, communities and/or organizations engaged to date with regard to the project and a summary of the information shared;
 - b) date(s) of engagement or discussion(s); and,
 - c) means of engagement or discussion(s) (e.g., community meetings, mail or telephone, etc.).
- 10.5 An overview of key comments and concerns expressed to date by stakeholders and any responses provided.
- 10.6 A description of all steps taken or proposed to be taken to address any concerns expressed.

11.0 FINANCIAL INFORMATION

Only applicable to applicants applying for a demonstration permit (connected generator).

You must provide the following financial information to support the calculation of an appropriate rate for the Power Purchase Agreement (PPA).

- 11.1 The cost of designing, constructing and installing any generator, cable or other equipment or structure which are required to carry out the permitted activity. ***Applicants are encouraged to consult the Applicants' Guide for a complete description of required costing information.***
- 11.2 Any costs or revenues relating to the operation of any generator, cable or other equipment or structure which are essential in carrying out the permitted activity for the duration of the proposed period during which the permit will be valid.
- 11.3 Estimated cost of site restoration and decommissioning of any generator, cable or other equipment or structure intended to be constructed, installed or operated within the permit area.
- 11.4 A list of all sources of financing, including a list of investors, a list of any grants and loans you have applied or will be applying, and a list of the grants and loans you have or expect to receive.

12.0 SUPPORTING DOCUMENTS

A separate file must be submitted with the following information to be shared for a 30 day public comment period:

- 12.1 A brief project summary that includes the name of the applicant, an image of the proposed technology, a general description of the proposed technology and the project location on a map that shows the following:
 - a) the location of the project is in relation to key features of the area, such as natural landmarks, buildings, roads, ports and electrical power transmission lines; and,
 - b) general site plan that shows the location of any generator, cable or other equipment or structure intended to be constructed, installed or operated under the permit.

13.0 VOLUNTARY INFORMATION

Statements in relation to supply chain and/or employment opportunities associated with the proposed project are not required, but if an applicant believes their project may generate such things, they may submit a written explanation detailing how the proposed project will generate economic benefits. The information provided will not be used in the evaluation of your project, but will be used to inform the Department of Energy about the state of the sector and sector development, including opportunities for sector growth.

SUBMISSION FORMAT

The Department of Energy requires all applicants applying for a Permit under the *Marine Renewable-energy Act* to submit an electronic copy of all submission information to the Program Administrator. Applicants are asked to establish a File Transfer Protocol (FTP) site with files separated according to Section Number (1-12). The site is to be maintained for a period of at least 14 days following notification to the Program Administrator and submission of all applicable fees. Login information is to be shared with the Program Administrator. Please provide a concordance table with your application, a sample concordance table is provided, refer to Appendix A of the Applicant's Guide for the preferred concordance table format.

All applicable fees are to be made payable to the Minister of Finance and submitted to:

Department of Energy
Tidal Permit Program
12th Floor, 1690 Hollis Street
PO Box 2664
Halifax, NS B3J 3P7

Questions?

Call: 902-424-7090

Email: marinerenewables@novascotia.ca

Website:

<https://energy.novascotia.ca/renewables/marine-renewable-energy/current-activity>

Applications shall only be considered once deemed complete.

DECLARATION

The [Freedom of Information and Protection of Privacy Act](#) (FOIPOP) provides access to most records under the control of the provincial government, while protecting the [privacy](#) of individuals who do not want their personal information made public.

Information in this application package which the applicant considers to be confidential business information should be clearly identified.

Are you making this request? Yes No

If yes, please indicate which information in the application package is considered confidential and provide an explanation that supports why this information is considered confidential.

When considering an application for a permit, the Minister may consult with any department of the public service of the Province or of Canada, government agency or agency of the Government of Canada, that exercises regulatory authority over any aspect of the activities to be carried on under the permit.

I understand the Minister may disclose any information, including personal information, contained in an application for a permit when consulting with any department of the public service of the Province or of Canada, government agency or agency of the Government of Canada, that exercises regulatory authority over any aspect of the activities to be carried on under the permit.

I confirm to the best of my knowledge and belief the information provided in this form and supporting documentation is true and accurate and complies with the relevant provisions of the *Marine Renewable Energy Act* and Regulations.

The name and signature of the Chief Executive Officer or a person with signing authority is required if the applicant is a corporation.

Applicant's Signature: _____ Date: (yyyy/mm/dd) _____

Name (Please print or type): _____