

Guidelines: Crown Lands Call for Bids for Wind Energy Projects

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Department of Industry, Energy and Technology



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1. Purpose

To pursue the development and use of the province's Crown lands for Wind Energy Projects in a manner that ensures the greatest long-term benefits for residents of the province, the Department of Industry, Energy and Technology (IET) has launched a Crown Lands Call for Bids for Wind Energy Projects (Call for Bids) for Crown lands outlined in section 3.1. These projects may include: wind turbines; permanent buildings, plant facilities, roads, and transmission lines; hydrogen and ammonia production and storage facilities; and surrounding Crown lands. The present document, "Guidelines: Crown Lands Call for Bids for Wind Energy Projects" (the Guidelines) is designed to provide interested bidders guidance in completing submissions to the Call for Bids.

A successful bidder(s) from this process will obtain a Wind Application Recommendation Letter from IET, indicating that their submission for a Wind Energy Project has been received, reviewed and recommended by IET for further consideration by the Government of Newfoundland and Labrador. This letter grants the bidder the exclusive right to pursue the development of their project through the Government of Newfoundland and Labrador's Crown lands application and approval process. As such, a successful bidder(s) must then include this letter as part of their Crown lands application for its corresponding Wind Energy Project to the Department of Fisheries, Forestry and Agriculture (FFA), in addition to other information required for review of their application.

To provide greater certainty to a successful bidder(s) that areas will be held until the conclusion of government review processes, thereby supporting project financing and project planning efforts, a reserve has been established under the **Lands Act**, prohibiting acceptance of Crown lands applications within the areas outlined in section 3.1, until the Crown Lands bid process has concluded. Once a successful bidder(s) has been sent a Wind Application Recommendation Letter, the reserve will be reduced to include only those areas identified within a successful bid(s) until the conclusion of the Crown land application and approval process, at which time the remainder of the reserve will be lifted.

This Call for Bids is a precursor to, and is distinct and separate from, the Crown lands application and approval process. Further, this Call for Bids is distinct and separate from the Government of Newfoundland and Labrador's Environmental Assessment process. As such, the issuance of a Wind Application Recommendation Letter does not guarantee that the successful bidder will be approved under the separate Crown lands application process, Environmental Assessment or any other processes. However, as outlined above, this letter grants the bidder the exclusive right to pursue the development of their project as part of the Government of Newfoundland and Labrador's Crown lands application and approval process.

A successful bidder will be able to apply for additional Crown lands (if required) to facilitate ancillary items to execute their project, including, but not limited to transmission corridor, pipeline corridor, limited access roads to access such corridors, buildings or wharves. Any award of such lands will still be subject to the Crown Lands processes and fees as well as the Environmental Assessment process.

2. Background

2.1 Newfoundland and Labrador Wind Resources

Newfoundland and Labrador has some of the best onshore wind resources in North America, consistently blowing within speeds optimal for electricity generation. IET has developed an online Renewable Energy Resource Hub, which collates information on the province's wind energy resources and supporting characteristics. For more information, please visit IET's website at <https://www.gov.nl.ca/iet/>.

2.2 Economic Development Opportunities

Globally, countries and industries are seeking opportunities to use green hydrogen to help reduce their carbon emissions in sectors where it is technically challenging or expensive to electrify directly (e.g. industrial processing and large transport). Green ammonia is also being pursued for its ability to be a zero carbon fertilizer, fuel and energy storage option. In addition to its abundant wind resources, Newfoundland and Labrador is well positioned to produce green hydrogen and ammonia thanks to its access to fresh water, available Crown lands, numerous deep, ice-free marine ports, expertise in the energy sector, and geographic proximity to markets in the United States and Europe.

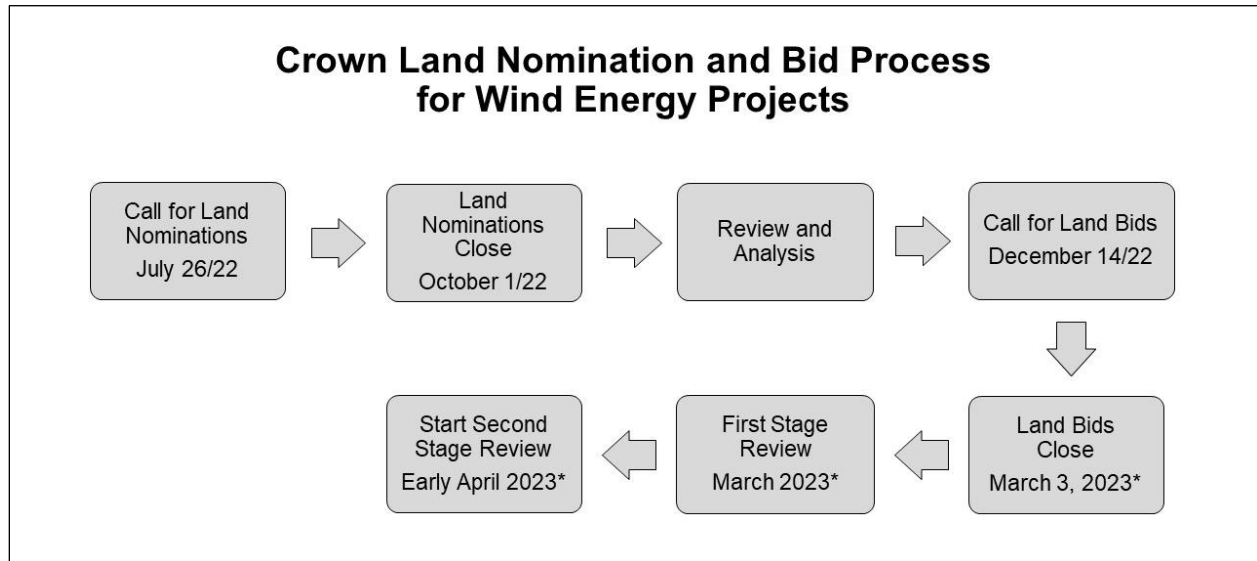
IET is the provincial lead for innovation, economic development and diversification in Newfoundland and Labrador. It focuses on creating a competitive environment to support private sector investment and business growth, and supporting provincial industries such as mining, energy and technology.

Recognizing the economic development opportunities related to the province's renewable energy resources and its competitive advantages, IET consulted with the public, Indigenous Governments and Organizations, industry and stakeholders during fall 2021, to inform the development of a provincial renewable energy plan. On December 16, 2021, IET released its resulting Renewable Energy Plan, "Maximizing Our Renewable Future". A copy of the Renewable Energy Plan is available on IET's website (<https://www.gov.nl.ca/iet/files/Renewable-Energy-Plan-Final.pdf>).

As outlined in the Renewable Energy Plan, the Government of Newfoundland and Labrador is committed to pursuing the sustainable development and use of the province's renewable energy resources in a manner that ensures the greatest long-term benefits to the people of Newfoundland and Labrador.

2.3 Crown Lands Nomination and Bid Process for Wind Energy Projects

On July 26, 2022, IET announced a fair and transparent, competitive, multi-phased process for awarding Crown lands for wind energy projects in Newfoundland and Labrador, as outlined in Guidelines: Nominating Crown Lands for Wind Energy Projects.



* Note: Dates are subject to change.

As the first step, IET held a call for submissions of Nominations of Areas of Interest for Wind Energy Projects in the Province (Land Nominations). On October 1, 2022, this Call for Land Nominations closed, and the department received submissions from 31 companies.

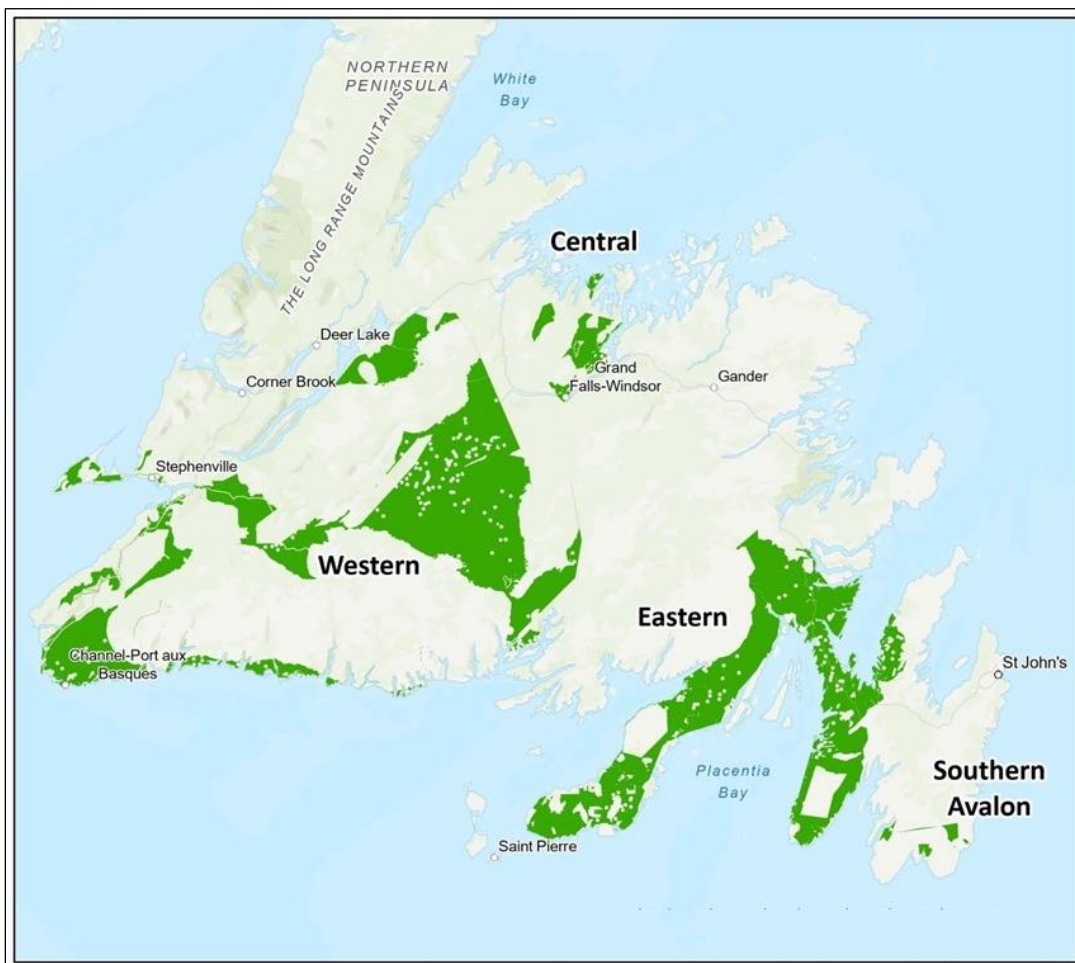
The Government of Newfoundland and Labrador subsequently completed a detailed review and analysis of the nominated land areas, including a review of the proposed use of the land, existing land uses, and engagement with communities and Indigenous partners.

The findings of this phase determined the areas to be included within the present Call for Bids, which are outlined in the following section.

3. Call for Bids

3.1 Crown Lands Included

To assist bidders, the following map provides an illustrative overview of the areas included within the present Call for Bids. This includes approximately 1.66 million hectares of lands in the Eastern, Western, Central and the Southern Avalon areas of the Island of Newfoundland, identified as green shading on the map below. Demonstration Shape files for these land areas can be downloaded from IET's Call for Bids website (www.gov.nl.ca/iet/bidding-on-crown-land-for-wind-energy-projects). Bidders are encouraged to refer to the Department of Fisheries, Forestry and Agriculture's Land Use Atlas to obtain further information on the land areas (<https://www.gov.nl.ca/landuseatlas/details/>). Only available Crown lands within these areas will be subject to an eventual Crown land application process.



3.2 Grid Interconnection

Newfoundland and Labrador Hydro (NLH) is the province's Crown utility, and provides the majority of the province's generation and transmission. The primary Call for Bids evaluation criteria that is of interest to NLH is the degree to which a proposed project will expect to impact the NLH electricity grid, directly or indirectly through assets owned by others (e.g. Newfoundland Power or bidders).

In October 2022, NLH released its, Wind Power Integration Study to provide preliminary information to itself, the Government of Newfoundland and Labrador and bidders on what is a first screen of bidder project viability. This study is publicly available and can be viewed on-line in the Generator Interconnection section of the website for the Newfoundland and Labrador System Operator (<https://www.oasis.oati.com/NLSO>). The study contains information that may be valuable to bidders so that they may evaluate their initial business plan assumptions. In particular, the study notes that any net generation (i.e. generation in excess of any load connected behind the meter) increases risk of spilling energy from NLH reservoirs, which would be expected to be to the account of the bidder which led to the increased reservoir levels.

Bidders should consider that the complexity and cost of required system upgrades to the grid may be significant and would be proportional to the impact on the grid. NLH will be requesting that all costs of system upgrades required as a result of new service requests be carried fully by bidders behind such requests.

One system impact that is of particular consideration is the amount, if any, of firm generating capacity a project requires to be supplied from the NLH grid. Utilities across Canada typically do not carry significant extra capacity for potential growth. NLH currently has very limited surplus firm capacity which, combined with system reliability considerations currently being examined with the province's electricity regulator, the Newfoundland and Labrador Board of Commissioners of Public Utilities (PUB), has led NLH to recommend the addition of new generation¹. Any additional requests for firm capacity would likely cause additional generation expansion which involves significant capital expenditures and lengthy construction timelines. Customers driving capacity additions have not historically contributed up-front to these costs.

Transmission addition capital costs solely required to serve new customers are historically fully assigned to those customers and generation expansion costs have been historically shared by all customers through published rates, which is an important evaluation factor for bids, including transmission lines, terminal stations, and equipment. However, a project that has a requirement for material firm capacity from the grid would require a significant regulatory process to confirm generation addition requirements and cost allocations, possibly including a requirement for up-front contributions from bidders. This would result in appreciable project delays, as compared to a proposal that does not require appreciable firm capacity from the grid. Bidders should also become familiar with the approved Schedule of Rates and Regulations approved by the PUB (<https://nlhydro.com/electricity-rates/current-rates/>) which may also require additional charges to the bidders, depending upon their specific service requirements.

While NLH has limited available firm system capacity, NLH currently has three terawatt hours of surplus energy available annually. This energy may be available to bidders on a non-firm basis. The amount available would be subject to NLH deriving more clarity regarding energy needs for the existing electricity customers with respect to electrification as well as the non-firm energy needs of successful bidders. Given that NLH currently has a surplus of energy, it does not have a defensible business case for purchasing energy from any bidder in the near term. This assumption will be updated regularly as more experience and clarity is obtained regarding current and future system load growth.

¹ Reliability and Resource Adequacy Study – 2022 Update;
<http://www.pub.nf.ca/applications/NLH2018ReliabilityAdequacy/correspondence/From%20NLH%20-%20Reliability%20and%20Resource%20Adequacy%20Study%20-%202022%20Update%20-2022-10-03.PDF>

3.3 Newfoundland and Labrador Hydro Interconnection Process

Upon completion of review of the bid submissions, NLH will support successful bidders with the normal utility Interconnection Process for proposed projects. This process will involve the submission of a formal interconnection request and the execution of system impact and facilities studies to confirm previous preliminary system upgrade requirements and associated bid cost allocations. These studies will be executed in accordance with NLH's established process. This effort ensures that the required analysis and final engineering estimates are performed so that bidders have cost estimates and schedules to the accuracy required for an interconnection agreement, power service agreement and regulatory approval.²

3.4 Federal Funding

Bidders are encouraged to explore all federal funding opportunities to support their proposed project. For further information from the Canada Infrastructure Bank, please see Annex B.

3.5 Exceptions

IET notes that the existing industrial customers seeking to develop energy for their own consumption can apply separately for Crown land adjacent to their site to develop a Wind Energy Project³. Existing industrial customers, while exempt from the present Call for Bids, are still subject to the provisions of relevant acts, including, but not limited to, the **Public Utilities Act** and the **Electrical Power Control Act, 1994**, along with requisite approvals.

3.6 Future Project Considerations

3.6.1 Award of Crown Lands

As outlined in section 1. Purpose, a successful bidder(s) will receive a Wind Application Recommendation Letter from IET, indicating their bid for a Wind Energy Project has been received, reviewed and recommended for further consideration by Government of Newfoundland and Labrador. This letter grants the bidder the exclusive right to pursue the development of their project through the Crown lands application and approval process, pending registration and release from FFA's Crown lands application process. As such, a successful bidder(s) must include this letter as part of their Crown lands application for their corresponding Wind Energy Project.

The awarding of Crown lands will follow the Crown lands awarding processes of FFA as outlined in the **Lands Act**. The purpose of the Crown lands bid process outlined in the present guidelines are to inform IET's decision on whether to provide a Wind Application Recommendation Letter to the successful bidder in support of their application for Crown lands pursuant to the **Lands Act** and FFA processes.

² Interconnection agreements are subject to regulatory approval.

³ Existing customers who develop generation may need amendments to their interconnection and/or service agreements with Newfoundland and Labrador Hydro to establish protocols to ensure safe and reliable operation.

3.6.2 Environmental Assessment

During the Call for Bids phase, Environmental Assessment registration is not required. However, any successful bidder that subsequently applies for Crown lands, will need to register for, and be released from, Environmental Assessment before final award of Crown lands.

IET notes that any Environmental Assessment considerations for energy projects are under the purview of the Department of Environment and Climate Change. IET further notes that wind energy and hydrogen/ammonia manufacturing projects are subject to registration for Environmental Assessment under the **Environmental Protection Act** and Regulations. For further information, please visit <https://www.gov.nl.ca/ecc/env-assessment/> and/or contact EAProjectComments@gov.nl.ca.

3.6.3 Legislation

Companies should review and familiarize themselves with the province's legislative and regulatory framework, including, but not limited to, that pertaining to the development and provision of electricity in the province, such as, the **Public Utilities Act** and the **Electrical Power Control Act, 1994**. Despite being provided with a Wind Application Recommendation Letter, bidders will still be subject to the provisions of the **Public Utilities Act** and the **Electrical Power Control Act, 1994**. Bidders should not rely on the issuance of a Wind Application Recommendation Letter as providing any approvals or exemptions required by those acts or any other acts.

3.6.4 Benefits

The Government of Newfoundland and Labrador is committed to ensuring that the people of the province will benefit from the development of its natural resources. As a result, bidders of Wind Energy Projects are to include in their bid submissions, the expected benefits to the province. These bid submissions should cover all phases of a project, including construction, operations, and decommissioning.

Each bid submission submitted should adhere to the overarching principle of "Full and Fair Opportunity" and therefore provide details on how individuals and companies in the province will be given a full and fair opportunity to compete for employment opportunities and provide goods and services on a competitive basis. Examples, of activities that align with the principles of full and fair opportunity include project-specific websites, supplier information sessions, job fairs, advertisement of employment and procurement opportunities.

Bid submissions should highlight benefits and activities in the province in areas that include but are not limited to:

- Employment
- Project Management
- Corporate/Project Office(s) and associated functions
- Education and Training
- Procurement
- Supplier Development
- Research and Development
- Gender Equity and Diversity

Additionally, bid submissions would ideally include a long-term funding commitment for initiatives that make a lasting impact in the province and may include items such as infrastructure, or other programs to be determined.

Successful bidders who receive a Wind Application Recommendation Letter will be required to submit a Benefits Plan for the approval of the Province consistent with the information included in their bids. This Plan should detail the specific actions to be undertaken by the proponent to implement full and fair opportunity principles, as well as a Gender Equity and Diversity Plan (GEDP) that sets out proactive measures to increase the participation of women and other under-represented groups. Quantitative and qualitative reporting on Benefits Plan commitments is required on a quarterly and annual basis and may include penalties for noncompliance.

4. Bid Submission Requirements

Bidders shall submit to the present Call for Bids by completing the corresponding Bid Submission Template in Annex A. Bidders should ensure that their responses to the questions within the template are sufficient to enable evaluation. An overview of information bidders are to include with any Call for Bids submission, is outlined in the present section.

A. Bidder

- Legal name of bidder, or expected legal name of bidder
- Main and secondary contact (i.e. name, title, email, phone number)
- Details of ownership and management of company; previous company/partner/personnel experience, including project examples/credentials. If applicable, provide a copy of the shareholder's agreement, or a draft agreement-in-principle of the shareholders of the new company bidding
 - Description of previous project, role of partners, timelines, budget, project outcomes and assessment of successful delivery
 - Previous experience planning, constructing and operating a wind farm and hydrogen/ammonia production facility
 - Letters of support from previous clients; news articles; external audits; awards
- Audited financial statements for the most recent five years of company operations (or company's other similar infrastructure operations) including notes to the financial statements and the most recent interim statements
- Based on the audited financial statements, bidders are required to provide the following ratios for each of the five years, as well as the average ratio for each over the five-year period: debt to equity ratio; debt ratio; current ratio; return on assets; and asset turnover ratio
- If the bidder has not been in operation for 5 years, a minimum of the previous two years of audited statements and associated annual and average ratios must be provided
- If the bidder is a new entity with fewer than two years of completed operations, audited financial statements are required for the most recent two years of any companies owned by any shareholder that holds a 25 per cent or greater stake in the new entity
- Project team, including the key roles and personnel
- Project partners
 - i.e. name, title, email, phone number
 - Role within project – e.g. wind farm delivery, hydrogen/ammonia facility delivery, funding, etc.

- Corporate structure and ownership breakdown (including by percentage) for any and all project partners, affiliates, and offtakers)
- As per section 14.1 of the **Electrical Power Control Act, 1994**, NLH has exclusive right to supply, transmit, distribute and sell electricity. As such, bidders should consider this provision when forming partnerships
- Detail on any health and safety conviction notices in any court or tribunal
- Details of any outstanding legal matters pertaining to the company, including any ongoing financial proceedings
- Details of any human rights, equity or other similar violation against the company
- Before submitting its Crown lands application to FFA, a successful bidder must:
 - be incorporated under the Newfoundland and Labrador **Corporations Act** or incorporated in another jurisdiction and extra-provincially registered under the Newfoundland and Labrador **Corporations Act** and legally entitled to conduct business in the province; and
 - be in good standing with the province.

B. Project

B.1 Project summary

- Provide details on what the wind energy will be used for. E.g.:
 - To power the bidder's green hydrogen and/or ammonia production
 - For sale in the export market via out-of-province transmission lines, including detail on how energy will be delivered to market and any transmission rights that have been, or will be, requested from NLH.
- Total monetary value of project (\$CDN)
- Detail on if, and how, local wind data will be collected
- Intended total installed capacity of the wind project (megawatts)
 - Breakdown of first and subsequent phases of installed capacity and phase timelines
- Proposed number and type/size of wind turbine(s)
 - number of turbines
 - model and installed capacity size (in megawatts)
 - dimensions - height from base to hub, hub height, and length of blade (metres)
 - expected wind turbine foundation/substructure and anchoring
- Proposed electrical architecture and infrastructure
- Proposed installation, operation and maintenance approach
- Proposed cyber security approach
- Expected duration of the project in years
- Detail on selected Crown Lands
 - Written summary, including total hectares
 - Overview map identifying location
 - Proposed layout of turbines and other infrastructure
 - Detailed map of site plan with applicable minimum setbacks (i.e. Shape file)
 - GIS shape files be supplied within a zip folder
 - Future survey and/or data requirements to progress the project

B.2 Associated Hydrogen/Ammonia Production

Is the wind generation to be used by the company to self-produce green hydrogen and/or ammonia? If yes, please fill out remaining fields in this section. If no, please proceed to section C.

- Please specify the amount of green hydrogen and/or green ammonia to be produced in kilotonnes annually
- Describe the overall capacity and location of the renewable energy production facilities (megawatts or gigawatts)
- Describe the type of processes to be used to produce the green hydrogen and/or ammonia
 - Equipment description, make, model and associated infrastructure
- Means of onshore transportation and storage of all types of green hydrogen and/or ammonia (e.g. whether transporting wind to localized hydrogen hubs, to a central portside facility, for storage and conversion to ammonia, or wind to portside hydrogen production facility, then ammonia, then ship)
- Type and size of production and storage facilities will be required (e.g. natural storage through salt caverns versus built containers)
- Any training and/or equipment requirements for emergency responders in event of accidental release of hydrogen and/or ammonia

B.3 Water Requirements

Please outline any water requirements with the green hydrogen and/or ammonia production. If not applicable, please proceed to section C.

- Total quantity of feedwater required, as well as a breakdown of the quantity of demineralized water to be converted into hydrogen versus that of waste water in metres cubed per day (m³/day)
 - Include the following in m³/day:
 - Average daily water use
 - Maximum daily water demand
 - Monthly water use
 - Variations in water usage throughout the year
- Water quality needs (e.g. potable)
- Source of the water (e.g. surface water, groundwater, sea water)

C. Project Risk Mitigation

- List of project risks and mitigation approach, including for construction, operation, and decommissioning phases. Bidders are expected to provide a risk matrix describing the risk, its category (e.g., budget, schedule, procurement), who is responsible for the risk (e.g., bidder, sub-contractor/partner), a rating of the probability of that risk, an impact rating, risk factor, response category, and the corrective action to be taken to address that risk.
- Other land use - overview of any overlapping land use by user of Crown Lands, as defined in the **Lands Act**, and as indicated in the Provincial Land Use atlas, and conflict mitigation strategy

D. Electricity Considerations and Grid

D.1 Bidders are required to make certain affirmations, including that:

- NLH Interconnection Requirements⁴ have been reviewed and are fully understood by the bidder, including timelines for system reviews. If clarifications are required, Bidders should contact NLH at LargeConnections@nlh.nl.ca.
- Bidder understands that design of interconnections and system upgrades can only be finalized through studies to be completed by or on behalf of NLH, paid for in advance by bidder, and typically spanning many months or even more than a year as is normal in other jurisdictions
- Bidder understands it will likely be expected to incur the costs of interconnection and any transmission system upgrades required by NLH, subject to approval of the Public Utilities Board
- Bidder understands the service agreement defining the commercial relationship with NLH will require review and approval at the Public Utilities Board
- Bidder understands that no existing electricity system assets or infrastructure will be modified in any way without written approval of the Public Utility responsible for said assets, which approval will be subject to bidder agreeing to reimburse all associated costs

Please submit a signed and professional engineer stamped attestation acknowledging full understanding of the above, from an engineering and project implications perspective.

D.2 Grid Impact

If grid connection is required, bidders must explain the purpose and requirements of grid connection, specifically, whether the bidder is seeking to:

- provide energy to the grid, including at what price;
- obtain energy from the grid, including at what price; and
- enter into an energy exchange with NLH

Any bidders seeking a non-firm energy rate other than the PUB scheduled rates must identify what benefits they can bring to the Grid and the ratepayer in order to support their proposal for any deviation from the scheduled rates (for example an ability to supply firm capacity during peak load periods).

Please describe the operating philosophy of the project, including intended response to varying output from wind generation and any discrepancy between wind generation output and facility load (E.g. curtail wind generation when there is excess, curtail industrial load when there is insufficient wind generation, self-supply with bidder owned dispatchable generation or batteries). Options that may not be feasible due to system constraints include delivering excess energy to NLH or export markets, and therefore NLH requests that:

- If bidder's business case assumes sales of energy to NLH or export markets outside NL, please indicate maximum rates of such deliveries.
- If bidder's business case assumes temporary storage of excess wind energy by NLH, please indicate maximum amounts to be stored, maximum duration of storage and maximum rates of injection to or withdrawal from the NLH grid.

⁴ Available under the Generator Interconnection section of the NLSO website - <https://www.oasis.oati.com/nlso/>

What is the maximum industrial facility load? It is assumed that only new industrial load will be served with new wind generation; please advise if this is not the expectation.

To what minimum load can the industrial facility curtail within 10 minutes?

What is the amount of uninterruptible facility load (e.g. emergency lighting, fire suppression systems, other critical loads)? Please explain the anticipated source of uninterruptible supply during periods with no wind generation (NLH or otherwise).

What is the expected magnitude of construction power? If NLH is not expected to supply, please explain the anticipated source.

What is the maximum anticipated rate of change in load to be supplied by NLH grid?
Please provide a monthly forecast of a typical year, in terms of:

- peak industrial facility demand
- industrial facility energy consumption
- peak wind generation output
- wind generated

D.3 Other Project Details

D.3.1 Wind Generation Technology

Please provide details of intended functionalities including, but not limited to, the following:

- Voltage regulation and reactive power control
- Frequency stability
- Short circuit ratio requirements
- Active power control
- Low voltage ride through capability
- Island mode operation capability
- Wind power curtailment and cut-in and cut-out speed

D.3.2 Grid Support Systems

Please provide details of any additional facilities included in the design which might support reliable operation of the grid, including any dispatchable on-site generation, synchronous condensers or battery energy storage systems.

D.3.3 Schematic

Please provide schematics (Single line diagrams) of general arrangement of facility, wind generation and grid interconnections including major equipment such as, but not limited to:

- Synchronous machines (generators/synchronous condensers)
- Transformers
- Breakers
- High voltage transmission lines
- Reactive power support devices

D.3.4 Technical Contact Details

Please provide contact information for an individual who can respond to requests by NLH for additional details relevant to the project's grid impact.

D.3.5 Other Grid Impact Considerations

Please provide details on additional design features or operating strategies, if any are being contemplated, that will influence the impact on the NLH grid, such as potential to supply dispatchable capacity (i.e. not wind generation) to NLH grid.

D.3.6 Site Access

Please confirm that project construction and operation is not contingent on use of any NLH owned civil infrastructure, including dams and site access roads.

E. Community and Indigenous Engagement

As outlined in IET's 2021 Renewable Energy Plan, the province is committed to consulting and collaborating, to ensure the views of residents inform next steps regarding the use and development of the province's renewable energy resources. Further, IET is committed to consulting Indigenous Governments and Organizations when it is contemplating land and resource development decisions that have the potential to impact settled or asserted Aboriginal or treaty rights. As such, respondents are encouraged to provide:

- An overview of completed or intended local community and Indigenous engagement
- Any letters of support for the bid

F. Benefits

- Overview of benefits expected to accrue from the project including any planned community investments
- Benefits proposal outlining the benefits related activities and projected outcomes associated with the project including:
 - Employment - provide estimated person hours broken out by
 - Project phase (Construction, Operations, Decommissioning);
 - Location (NL, Canada, International); and,
 - Occupational Category (e.g. engineering, trades, management, etc.)
 - Procurement and Contracting / Supplier Development
 - Outline projected project expenditures broken out by project phase and location of vendor(s)
 - Initiatives to support participation of local suppliers
 - Overview of plans for office(s); education and training initiatives; and gender equity and diversity
- A Benefits Plan summary which outlines planned activities and initiatives to implement the principles of full and fair opportunity, and a high level description of gender equity and diversity initiatives. A detailed Benefits Plan will be required if the respondent receives a Wind Application Recommendation Letter.

G. Project Schedule

- Gantt chart of project development
 - Outlining the proposed development plan detailing activities to be undertaken over the life of the project beginning with the successful selection of the bid; including the estimated timelines for each activity during each phase of the project including, but not limited to: consultation, planning, construction, production, decommissioning and reclamation

H. Financing

- Details of the project financing plan.
- Any proof of market (e.g. Letter of Intent; power purchase agreement with off-taker)

5. Evaluation of Bids

5.1 Overview of Evaluation Approach

The evaluation of submissions under the present Call for Bids will occur through a two phased process. Additionally, some items will be required for review but not directly scored, while other items will be required and evaluated using the following scoring scale.

Scored Criteria Evaluation Scale		
Modifier	Label	Description
1.0	Added value demonstrated	Response is compliant and content exceeds expectations.
0.7	Demonstrates criterion	Response is compliant and content is consistent with expectations.
0.4	Minor deficiencies	Response is compliant and content is mostly consistent with expectations but certain response elements are missing or require improvement.
0.0	Major deficiencies	Response is non-compliant and/or content is inconsistent with expectations for a potential bidder.

5.2 First Stage Review

First Stage Review will evaluate whether submissions meet the minimum criteria expected of a bidder to be able to deliver a Wind Energy Project. As outlined in the following table, emphasis will be placed on the bidder's experience, the project, and their financial capacity to plan, construct, and operate the proposed project. The First Stage Review will use a Pass/Fail approach. Specifically, any submission that obtains a score of "Major Deficiencies" on one of the following questions will be deemed to have failed the First Stage Review and will receive a letter indicating that their project will not proceed to Second Stage Review. Bidders that pass the First Stage Review will receive a letter from IET indicating that their project will proceed to Second Stage Review. Additional information may be required from bidders that pass the First Stage.

First Stage Review Criteria		
Section	Questions	Pass/Fail
A. Bidder	Q1 Q2 Q5 Q6 Q7	Pass/Fail
B. Project Summary	Q8	Pass/Fail
H. Financing	Q64	Pass/Fail

5.3 Second Stage Review

The Second Stage Review includes an evaluation of the information provided in Annex A. An overview of the information required in Annex A is outlined in Section 4. Bid Submission Requirements.

Submission responses are evaluated using the Scored Criteria Evaluation Scale in section 5.1, while others are required but not directly scored. The following table provides an overview of the

information to be provided by bidders, as well as the percentage each section will account for in a submission's final score. See Annex A for the full list of questions.

Second Stage Review			
Rated Criteria Category		Pertinent Questions	Percentage of Total
A.	Bidder	Q1 Q2 Q3 Q4 Q5 Q6 Q7	15%
B.	Project	Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25 Q26 Q27 Q28 Q29	15%
C.	Project Risk Mitigation	Q30 Q31	5%
D.	Electricity Considerations and Grid	Q32 Q33 Q34 Q35 Q36 Q37 Q38 Q39 Q40 Q41 Q42 Q43 Q44 Q45 Q46	15%
E.	Community and Indigenous Engagement	Q47 Q48 Q49 Q50 Q51 Q52	10%
F.	Benefits	Q53 Q54 Q55 Q56 Q57 Q58 Q59 Q60 Q61	15%
G.	Project Schedule	Q62 Q63	10%
H.	Financing	Q64 Q65	15%
Total			100%

6. Terms and Conditions

By submitting a bid, bidders acknowledge and affirm the following text within section 6.

6.1 Bidders to Follow Instructions

Bidders should structure their bid submissions in accordance with the instructions in this Call for Bids. Where information is requested in this Call for Bids, any response made in a submission should reference the applicable section numbers of this Call for Bids.

6.2 Acceptance of Bids

Crown Lands Bids for Wind Energy Projects:

- Will be accepted by IET, from December 14, 2022, until noon March 23, 2023. Late submissions will not be accepted. Bidders are encouraged to submit early to avoid any technical issues.
- Will be received by IET by email at: windlandbids@gov.nl.ca.
- Shall be submitted in electronic format and clearly marked as: "Call for Bids".
- May also be accompanied by a presentation to IET before April 6, 2023 (optional). Presentations shall not exceed 60 minutes in total and shall be comprised of a 45-minute presentation with a 15-minute question and answer session. Request to present to IET must be made prior to March 23, 2023 to permit scheduling. Requests to present made after this time will not be accommodated.

IET's evaluation of bids is designed to ensure the use and development of the province's renewable energy resources, specifically wind, is pursued in a manner that ensures the greatest

long-term benefits to residents of the province, as outlined in the province's December 2021, Renewable Energy Plan. As such, under the current Call for Bids process, IET may limit the number of projects that are issued a Wind Application Recommendation Letter, and/or apply a maximum installed capacity per project or per the total Crown lands included within the present Call for Bids. As such, the present Call for Bids shall neither constitute nor give rise to any obligation on the part of Government to proceed with issuing a Wind Application Recommendation Letter to any bidder(s). Furthermore, regardless of the ranking of any qualifying bid, Government reserves the right to: 1) issue a Wind Application Recommendation Letter to any qualifying bid, 2) limit the number of Wind Application Recommendation Letters to be issued, or 3) not issue any Wind Application Recommendation Letters, at its sole discretion.

This process is not intended to create and will not create a formal, legally binding process as between Government or any bidder. The Government of Newfoundland and Labrador, including but not limited to IET and its employees, will not be liable for any loss or damages of any nature, either direct or indirect, arising from the use of the present guidelines or the information herein, including but not limited to a submission under it. Bidders will not have the right to make any claims (in contract, tort, or otherwise) against the Government of Newfoundland and Labrador with respect to the awarding of a Wind Application Recommendation Letter or failure to award a Wind Application Recommendation Letter.

Additionally, IET will be offering an information session on the Call for Bids January 13, 2023. Those interested are invited to send an email to windlandbids@gov.nl.ca.

6.3 Bids in English

All bids are to be submitted in English only.

6.4 No Incorporation by Reference

The entire content of a bid should be submitted in a fixed form, and the content of websites or other external documents referred to in the bid but not attached will not be considered to form part of its bid.

6.5 References and Past Performance

In the evaluation process, the province may include information provided by the bidder's references and may also consider the bidder's past performance or conduct on previous contracts with the province or other institutions.

6.6 Bidders to Bear Their Own Costs

The bidder will bear all costs associated with or incurred in the preparation and presentation of its bid submission, including, if applicable, costs incurred for interviews or demonstrations.

6.7 Clarification from Bidders

Bidders may be notified and invited to participate in a meeting with IET, in order to further assess the strengths and risks associated with the project, and to discuss the bidder's ability to construct, develop and operate the project. During this meeting, IET will also have the opportunity to ask questions in respect of the project. In addition, prior to and after the interview, IET may request additional information from the bidder to be included in the bid to assist in conducting the evaluation.

IET also reserves the right to enter into other post-submission discussions with any one or more bidder(s) regarding any term of a bid submission, and such other terms as IET will require, and

to request additional information and clarification regarding any bid, which will also be included in final decisions.

6.8 Bids to be Retained by the Province

The province will not return bid submissions or any accompanying documentation submitted by a bidder.

6.9 Missing Information

If a bid is missing information, IET will notify the bidder. A bidder will have 72 hours from the time of notification to provide the missing information. After 72 hours, if the bidder has not provided the missing information, the bid may be deemed incomplete and ineligible to proceed.

6.10 Confidentiality and Privacy

By submitting a bid in response to the present Call, a bidder is providing its consent that IET may disclose, as it deems appropriate, all or part of the bid on a confidential basis to Newfoundland and Labrador Hydro, and Departments of the Government of Newfoundland and Labrador including, but not limited to: Finance; Education; Environment and Climate Change (e.g. regarding any water requirements); Fisheries, Forestry and Agriculture (e.g. land); Justice and Public Safety (e.g. legislation); and Executive Council's Intergovernmental Affairs Secretariat (e.g. Trade Policy).

Information received by IET related to the bid submissions, provided in confidence, will be kept confidential unless: 1) a bidder approves its release, or 2) IET is required or authorized by legal and regulatory requirements such as the **Access to Information and Protection of Privacy Act**, 2015 (ATIPPA, 2015) to release. Section 39 of this act provides the head of a public body the ability to refuse to disclose information that is harmful to business interests of a third party, under certain circumstances. Further information relating to subsection 39(1) of the ATIPPA, 2015 is provided in guidance documents available through the Office of the Information and Privacy Commissioner (<https://www.oipc.nl.ca/pdfs/BusinessInterestOfAThirdParty.pdf>). Bidders are encouraged to review the above referenced guidance document, and to identify in their submission, any specific information that would be exempt from disclosure under subsection 39(1) of the ATIPPA, 2015. If no specific information has been identified it is assumed that, in the opinion of the bidder, there is no specific information that qualifies for an exemption under the subsection 39(1) of the ATIPPA, 2015. Should a bidder have questions regarding access, privacy and confidentiality, please contact IET's Access and Privacy team at atipp-iet@gov.nl.ca.

It is noted that information provided through the present Call for Bids may have to be re-provided under other processes (e.g. Crown lands application; Environmental Assessment).

6.11 Bidders to Seek Clarification

It is the responsibility of bidders to seek clarification on any matter it considers to be unclear or is otherwise concerning. The Province shall not be responsible for any misunderstanding on the part of a bidder concerning this Call for Bids, its processes or requirements.

Bidders shall promptly examine all of the documents comprising this Call for Bids and shall report any potential errors, omissions or ambiguities as inquiries submitted through the bidding system. Such inquiries must be submitted by email to windlandbids@gov.nl.ca on or before March 3, 2023.

Deadline for questions is March 16, 2023. Inquiries and responses, will be posted on IET's website, but the identity of any party making such inquiry will be withheld.

IET will post any answers to questions, as well as any corrections/updates to the Call for Bids on its website at www.gov.nl.ca/iet/bidding-on-crown-land-for-wind-energy-projects.

6.12 Bidders Affirm Interconnection Requirements

By submitting a bid, bidders acknowledge and affirm the following:

- (i) that the NLH Interconnection Requirements have been reviewed and are fully understood by the bidder, including timelines for system reviews (if clarifications are required, bidders should contact NLH at LargeConnections@nlh.nl.ca)
- (ii) that the bidder understands that, on award, they will be required to pay in advance for studies to be completed by or on behalf of NLH for design of interconnections and system upgrades, and that these studies typically span many months or even more than a year as is normal in other jurisdictions;
- (iii) that the bidder understands that, on award, the service agreement defining the commercial relationship with NLH will require review and approval at the Public Utilities Board; and
- (iv) that the bidder understands that no existing electricity system assets or infrastructure will be modified in any way without written approval of the Public Utility responsible for said assets, which approval will be subject to bidder agreeing to reimburse all associated costs.

7. Definitions

Crown Lands: as per 2(b) of the **Lands Act**:

- (i) all lands within the province, except
 - a. lands that may be in the use or occupation of a department of the government of the province or of an officer or servant of a department as an officer or servant,
 - b. those lands that may, before the enactment of this Act, have been lawfully set apart or appropriated for a public purpose, and
 - c. lands lawfully alienated from the Crown,
- (ii) lands referred to in subsection 21(1) and subsection 22(2),
- (iii) lands considered to be Crown lands under section 55, and
- (iv) lands declared to be abandoned lands under Part II.

Industrial Customer: as per 2(h) of the **Electrical Power Control Act, 1994**, “any person purchasing power, other than a retailer, supplied from the bulk transmission grid at voltages of 66 KV or greater on the primary side of any transformation equipment directly supplying the person.”

Public Utility: as per 2(1)(h) of the **Public Utilities Act**, “a person that owns, operates, manages or controls structures, equipment or facilities in the province for

- (i) the production, generation, storage, transmission, delivery or provision of electric power, energy, water or heat, directly or indirectly, to or for the public or a corporation for compensation,
- (ii) the collection, storage, transmission, delivery or provision of water through mains, directly or indirectly, to or for the public or a corporation for compensation, or
- (iii) the collection, treatment or disposal of sewage through mains, directly or indirectly, for or from the public or a corporation for compensation;”

Permanent Building: A permanent building means a building or structure associated with the development, processing and distribution of wind energy that is placed or constructed on lands, fixed in place, intended to be used for the foreseeable future, and unable to be easily removed.

Permanent buildings may include, but are not limited to: maintenance buildings, warehouses, manufacturing plants, substation infrastructure, office buildings and other buildings.

Public Utility: as per 2(h) of the **Public Utilities Act, 1990**: “a person that owns, operates, manages or controls structures, equipment or facilities in the province for

- (i) the production, generation, storage, transmission, delivery or provision of electric power, energy, water or heat, directly or indirectly, to or for the public or a corporation for compensation,
- (ii) the collection, storage, transmission, delivery or provision of water through mains, directly or indirectly, to or for the public or a corporation for compensation, or
- (iii) the collection, treatment or disposal of sewage through mains, directly or indirectly, for or from the public or a corporation for compensation.”

Retailer: as per 2(q) of the **Electrical Power Control Act, 1994**: “a public utility within the meaning of the Public Utilities Act , other than a public utility exempt from the application of that Act, which buys or generates power and whose primary business is the sale or resale of power to arm's length customers.”

Wind Application Recommendation Letter: A letter from the Department of Industry, Energy and Technology (IET) to a bidder, indicating that their submission for a Wind Energy Project, has been received, reviewed and recommended for further consideration by IET and is recommended for further consideration by the Government of Newfoundland and Labrador, and that the land selected through their bid will be held in reserve until the conclusion of the Crown lands application and approval process. This letter shall include a copy of the project bid submission approved by IET.

Wind Energy Project: A wind-generated electricity project including the construction, testing and operation of wind turbines and all associated structures and improvements, such as transmission lines and roads.

Wind Turbine: A power generating device driven by the kinetic energy of wind typically consisting of a rotor assembly (i.e. a hub and blades), a nacelle (electrical generator) and a tower, the tower base, foundation and a service area around the base.

Annex A: Bid Submission Template

Bidders shall respond to each of the below separate questions. This template is available for download at www.gov.nl.ca/iet/bidding-on-crown-land-for-wind-energy-projects. Bidders must ensure that responses align with requirements and contain sufficient detail for the evaluation team to evaluate.

Categories and Questions		Scored (Y/N)
A. Bidder		
Q1	Provide details of ownership and management of company and experience in other relevant wind projects. If applicable, provide a copy of the shareholder's agreement, or a draft agreement-in-principle of the shareholders of the new company bidding. Provide a description of previous relevant projects, timelines, budget, project outcomes and assessment of successful delivery. Provide details on previous experience planning, constructing and operating a wind farm and hydrogen/ammonia production facility. Letters of support from previous clients, news articles, external audits, awards.	Y
Q2	<p>Provide audited financial statements for the most recent five (5) years of company operations (or company's other similar infrastructure operations) including notes to the financial statements and the most recent interim statements.</p> <p>Based on the audited financial statements, bidders are required to provide the following ratios for each of the 5 years, as well as the average ratio for each over the 5-year period: debt to equity ratio; debt ratio; current ratio; return on assets; and asset turnover ratio.</p> <p>If the bidder has not been in operation for 5 years, a minimum of the previous two years of audited statements and associated annual and average ratios must be provided.</p> <p>If the bidder is a new entity with fewer than two years of completed operations, audited financial statements are required for the most recent two years of any companies owned by any shareholder that holds a 25 per cent or greater stake in the new entity.</p>	Y
Q3	Provide details of the proposed project team, including key roles and personnel, noting their background and experience in similar projects.	Y
Q4	Provide details of the proposed project partners and their role within the proposed project - e.g., wind farm delivery, hydrogen/ammonia facility delivery, funding, etc. Include corporate structure and ownership breakdown (including by percentage) for any and all project partners, affiliates, and offtakers). Include name, title, email, phone number of partner(s).	Y
Q5	Provide details about any health and safety, or other convictions, and notices in any court or tribunal in any jurisdiction against you or any of your partners, as well as ways relevant issues have been addressed. The bidder must note if there are any outstanding charges or investigations of a health, safety, criminal or other nature (e.g., regulatory) in any jurisdiction.	Y

Categories and Questions		Scored (Y/N)
Q6	Provide details about any outstanding legal matters pertaining to the company, including any ongoing financial-related proceedings, convictions and notices in any court or tribunal in any jurisdictions against you or any of your partners and note if there are any outstanding charges or investigations related to financial matters (e.g., banking, fraud, financing, stock market regulation). Please also outline ways these issues have been addressed.	Y
Q7	Indicate if there has been a human rights, equity or other similar violation against you or your partners, and whether they have been addressed to the satisfaction of the citing jurisdiction.	Y
B. Project		
Q8	Provide a summary of the proposed project, including projected total capital and operating spend, in Canadian dollars, during all project phases (e.g., design, construction, operations, and decommissioning).	Y
Q9	Provide details on what the wind energy will be used for (e.g., to power the bidder's green hydrogen and/or ammonia production; for sale in the export market via out-of-province transmission lines; to power another company; other: Please specify).	Y
Q10	Provide detail on if and how wind data will be collected.	N
Q11	Provide the total intended installed capacity of the wind project (in megawatts).	N
Q12	Provide the number and type/size of wind turbine(s), including height of towers from base to hub, hub height, and length of blade in metres; expected wind turbine foundation and anchoring.	N
Q13	Provide details on the proposed electrical architecture and infrastructure (such as underground or over ground cables, infrastructure necessary for grid connection).	Y
Q14	Provide details on the proposed installation and operation and maintenance approach.	Y
Q15	Describe proposed approach to cyber security, including standards on security (e.g., data management, data privacy, incident reporting) and measures to prevent and respond to threats.	Y
Q16	Provide a written description of the project site.	N
Q17	Indicate the total hectares of the site.	N
Q18	Provide an overview map identifying the location.	N
Q19	Indicate the proposed layout of turbines and other infrastructure.	N
Q20	Provide a detailed map of site plan with applicable minimum setbacks using Shape file. Provide files within a zip folder.	N
Q21	Indicate future survey and/or data requirements to progress the project.	N

Categories and Questions		Scored (Y/N)
Q22	Specify the type of green hydrogen and/or green ammonia to be produced in kilotonnes annually.	Y
Q23	Describe the overall capacity and location of the renewable energy production facilities (megawatts or gigawatts).	Y
Q24	Describe the type of processes to be used to produce the green hydrogen and/or ammonia, including a description of any equipment (make and model, associated infrastructure).	Y
Q25	Specify the means of onshore transportation and storage of all types of green hydrogen and/or ammonia (e.g., whether transporting wind to localized hydrogen hubs, to a central portside facility, for storage and conversion to ammonia, or wind to portside hydrogen production facility, then ammonia, then ship).	N
Q26	Specify the size (in metres squared) of production and storage facilities that will be required (e.g., natural storage through salt caverns versus built containers).	N
Q27	Note any training and/or equipment requirements for emergency responders in the event of accidental release of hydrogen and/or ammonia.	N
Q28	<p>Indicate the water requirements, including for green hydrogen and ammonia, if applicable.</p> <p>Indicate the total quantity of feedwater required, as well as a breakdown of the quantity of demineralized water to be converted into hydrogen versus that of waste water. Bidders should provide in metres cubed, the: (1) average daily water use, (2) maximum day demand, and (3) monthly water use. Bidders should also note any variations in usage throughout the year.</p> <p>Indicate the water quality needs (e.g., potable).</p>	N
Q29	Indicate the source of the water (e.g., surface water, groundwater, sea water).	N
C. Project Risk Mitigation		
Q30	Indicate project risks and proposed mitigation approaches, including for construction, operation, and decommissioning phases. Bidders are expected to provide a risk matrix describing the risk, its category (e.g., budget, schedule, procurement), who is responsible for the risk (e.g., bidder, sub-contractor/partner), a rating of the probability of that risk, an impact rating, risk factor, response category, and the corrective action to be taken to address that risk.	Y
Q31	Provide an overview of any overlapping land use by another user of Crown lands as indicated in the NL Land Use Atlas and as defined in the Lands Act , and conflict mitigation strategy.	Y

Categories and Questions		Scored (Y/N)
D. Electricity Considerations and Grid		
Q32	<p>If connecting to a grid, confirm that NLH Interconnection Requirements have been reviewed and are fully understood by the bidder, including timelines for system reviews.</p> <p>Submit a signed and professional engineer stamped attestation acknowledging full understanding that from an engineering and project implications perspective the bidder understands:</p> <ul style="list-style-type: none"> • That design of interconnections and system upgrades can only be finalized through studies to be completed by or on behalf of NLH, paid for in advance by bidder, and typically spanning many months or even more than a year as is normal in other jurisdictions. • It will likely be expected to incur the costs of interconnection and any transmission system upgrades required by NLH, subject to approval of the Public Utilities Board. • The service agreement defining the commercial relationship with NLH will require review and approval at the Public Utilities Board. • That no existing electricity system assets or infrastructure will be modified in any way without written approval of the Public Utility responsible for said assets, which approval will be subject to bidder agreeing to reimburse all associated costs. 	N
Q33	Provide details about what electricity grid the project will be connected to (e.g., Island Interconnected; Labrador Interconnected; Isolated Diesel System; Will not be connecting to an electricity grid; Other (specify)).	N
Q34	<p>Provide details of the wind generation technology, including, but not limited to:</p> <ul style="list-style-type: none"> • Voltage regulation and reactive power control • Frequency stability • Short circuit ratio requirements • Active power control • Low voltage ride through capability • Island mode operation capability • Wind power curtailment and cut-in and cut-out speed. 	N
Q35	<p>If grid connection is required, please also explain the purpose and requirements of grid connection, specifically, whether the bidder is seeking to:</p> <ul style="list-style-type: none"> • provide energy to the grid (outline monthly and daily energy provisions in kWh), including at what price; • obtain energy from the grid (provide monthly and daily energy requirements in kWh), including at what price; and • enter into an energy exchange with NLH. 	Y
Q36	<p>Describe the project's intended response to varying output from wind generation and any discrepancy between wind generation output and facility load.</p> <p>Bidders seeking a non-firm energy rate other than the PUB scheduled rates must identify what benefits they can bring to the grid and the ratepayer in order to support their proposal for any deviation from the scheduled rates (for example an ability to supply firm capacity during peak load periods).</p>	Y

Categories and Questions		Scored (Y/N)
Q37	<p>If bidder's business case assumes use of NLH transmission lines for sale of electricity to export markets outside NL, please provide detail on such deliveries (e.g. expected frequency, capacity and timing).</p> <p>If bidder's business case assumes temporary storage of excess wind energy by NLH, please indicate maximum amounts to be stored, maximum duration of storage and maximum rates of injection to or withdrawal from the NLH grid.</p>	Y
Q38	Indicate the maximum industrial facility load. It is assumed that only new industrial load will be served with new wind generation; please advise if this is not the expectation. To what minimum load can the industrial facility curtail within 10 minutes?	Y
Q39	Indicate the amount of uninterruptible facility load. Indicate the anticipated source of uninterruptible supply during periods with no wind generation.	Y
Q40	Indicate the expected magnitude of construction power. If NLH is not expected to supply, please explain the anticipated source.	N
Q41	If connecting to NLH grid, indicate the maximum anticipated rate of change in load to be supplied by grid. Provide a monthly forecast of a typical year in terms of: 1. Peak industrial facility demand; 2. Industrial facility energy consumption; 3. Peak wind generation output; 4. Wind energy generated.	Y
Q42	If connecting to a grid, provide details of any additional facilities included in the design which might support reliable operation of the grid, including any dispatchable on-site generation, synchronous condensers or battery energy storage systems.	N
Q43	<p>Provide schematics (Single line diagrams) of general arrangement of facility, wind generation and grid interconnections including major equipment such as, but not limited to:</p> <ul style="list-style-type: none"> • Synchronous machines (Generators/synchronous condensers) • Transformers • Breakers • High voltage transmission lines • Reactive power support devices 	N
Q44	Provide contact information for an individual who can respond to requests by NLH for additional details relevant to the project's grid impact.	N
Q45	Please provide details on additional design features or operating strategies, if any are being contemplated, that will influence the impact on the NLH grid, such as potential to supply dispatchable capacity (i.e. not wind generation) to NLH grid.	Y
Q46	Please confirm that project construction and operation is not contingent on use of any NLH owned civil infrastructure, including dams and site access roads.	N
E. Community and Indigenous Engagement		
Q47	Provide an overview of completed or intended local general public engagement.	Y
Q48	Provide letters of support from the local community for the bid.	Y

Categories and Questions		Scored (Y/N)
Q49	Note any concerns that have been raised by the general public and indicate the bidder's plan to address those concerns.	Y
Q50	Provide an overview of completed or intended engagement with the Indigenous community.	Y
Q51	Provide any letters of support from Indigenous governments or groups.	Y
Q52	Note any concerns that have been raised by Indigenous governments, groups, or persons, and indicate the bidder's plan to address those concerns.	Y
F. Benefits		
Q53	Provide an overview of benefits, including plans for office(s), expected to accrue from the project including any planned community investments.	N
Q54	Provide details about the jobs created (in person hours) during the construction, operation/maintenance, and decommissioning phases, including location (NL, Canada, International) and occupational category.	N
Q55	Provide summary tables of project expenditures for the construction, operation/maintenance, and decommissioning phase categorized by Newfoundland and Labrador, other Canadian, and foreign expenditures.	N
Q56	Describe the plans to provide information concerning project requirements for goods and services to Newfoundland and Labrador suppliers and contractors.	Y
Q57	Provide an assessment of Newfoundland and Labrador supply capabilities, and identification of constraints and new supply opportunities.	Y
Q58	Provide details on how individuals and companies in the province will be given a full and fair opportunity to compete for employment opportunities and provide goods and services from the province on a competitive basis.	Y
Q59	Identify any anticipated training required to meet any anticipated shortages in labour supply during the construction and operations phases.	Y
Q60	Indicate how specific measures and initiatives will be established to increase employment opportunities for women, Indigenous persons, persons with disabilities, members of visible minorities, LGBTQ+ and gender diverse individuals. Indicate how an inclusive workplace with respect to women, Indigenous persons, persons with disabilities, members of visible minorities, LGBTQ+ and gender diverse individuals will be encouraged.	Y
Q61	Include a Benefits Plan summary, outlining the planned activities and initiatives to implement the principles of full and fair opportunity, and a high level description of gender equity and diversity initiatives. A detailed Benefits Plan will be required if the respondent receives a Wind Application Recommendation Letter.	Y

Categories and Questions		Scored (Y/N)
G. Project Schedule		
Q62	Provide a breakdown of first and subsequent phases of installed capacity and phase timelines.	Y
Q63	Provide a Gantt chart of project development outlining the proposed development plan, detailing activities to be undertaken over the life of the project beginning with the successful selection of the bid, and including the estimated timelines for each activity during each phase of the project including, but not limited to: consultation, planning, construction, production, decommissioning and reclamation.	Y
H. Financing		
Q64	Provide details of the project financing plan.	Y
Q65	If applicable, provide any details about the market for the associated renewable energy production and provide proof of market (e.g., letter of intent, power purchase agreement with offtaker).	Y

Annex B: Information from the Canada Infrastructure Bank

The Canada Infrastructure Bank (CIB) is an impact investor with \$35 billion to deploy to develop the next generation of infrastructure in Canada. The CIB delivers outcomes such as sustainable economic growth, connected communities and climate change action. It invests in five priority sectors:

- Green Infrastructure (including CCS, Low Carbon Fuels, Hydrogen production, transportation and distribution)
- Clean Power (including renewables)
- Broadband
- Public Transit
- Trade and Transportation

The CIB also invests in infrastructure projects made in partnership with, and that benefit, Indigenous peoples in these five sectors.

The CIB's direct investment and partnership approach complements, yet is distinct from, government programs. Each investment is structured to leverage revenue streams and crowd-in investment from private sector and institutional investors who are willing to share in the risk and innovate. The investment solutions are flexible, adaptable and targeted so that investments help to get new infrastructure built.

The CIB considers multiple financial tools, such as equity, subordinated debt and senior debt, when investing in infrastructure. The CIB does not make grants.

Wind Power

The CIB can invest in wind power as part of its Clean Power priority sector. During the process leading up to the conclusion of wind power transactions in Newfoundland, the CIB will be open to engaging in discussions with proponents to explore whether and how some CIB investment could be provided to pre-qualified proponents. The CIB will get involved once the projects are more advanced and the revenue model for the projects are clear.

Hydrogen and Ammonia

The CIB can invest in hydrogen and ammonia production projects as part of its Green Infrastructure priority sector. Should there be hydrogen and ammonia production proposed, the CIB will be open to engaging in discussions with proponents to explore whether and how some CIB investment could be provided to pre-qualified proponents that plan to develop hydrogen and ammonia production projects. The CIB will get involved once the projects are more advanced and the revenue model for the projects are clear.

Other Related Infrastructure

The CIB can invest in other related infrastructure such as ports (both marine and inland) infrastructure as part of its Trade and Transportation priority sector. Should there be other proposed infrastructure that fits within CIB priority sectors, the CIB will be open to engaging in discussions with proponents to explore whether and how some CIB investment could be provided to pre-qualified proponents that plan to develop other related infrastructure that may fit

with CIB investment criteria. The CIB will get involved once the projects are more advanced and the revenue model for the projects are clear.

Website: <https://cib-bic.ca/en/>
Email: contact@cib-bic.ca
Phone: 1-833-551-5245