

DISCLAIMER

As described herein is an indicative Scope of Services only, which is subject to change. The final Scope of Services will be issued as part of the subsequent Request for Proposal (RFP) process to those suppliers pre-qualified from this Expression of Interest process. The number of suppliers which will receive the RFP documentation has not been predetermined and will depend on the number of interested parties and the quality of responses received.

INTRODUCTION

WEGH2 is seeking to engage with firms that can demonstrate the ability to meet WE GH2's minimum EOI requirements and have the experience and necessary capabilities to successfully execute the Scope A – Site Characterization Geotechnical Investigation (limited number of boreholes and test pits) to assist in the determination of the geological and geotechnical parameters required for preliminary design for civil works and wind turbine siting and support the initial foundation designs.

Pending performance on Scope A, the supplier would be considered preferred supplier to execute Scope B – Baseline Geotechnical Investigation, representing a more complete and comprehensive wind farm geotechnical investigation campaign across the entire wind farm project site and generator transmission tie line.

BACKGROUND

- World Energy GH2's Project Nujio'qonik is a consortium of partners developing a cost-effective green hydrogen/ammonia from wind power project in the province of Newfoundland and Labrador, Canada.
- Project Nujio'qonik will be Canada's first commercial green hydrogen-ammonia producer created from 3.0GW+ of wind energy in one of the world's best wind resource regions.
- Project Nujio'qonik's green hydrogen-ammonia facility, located in Stephenville, Newfoundland and Labrador, will be initially powered (Phase 1) by a ~1.0GW onshore wind farm located on the Port au Port peninsula.
- The Port au Port peninsula wind farm will be comprised of between 150 – 170 wind turbines connected to a collector substation via a 34.5kV overhead collector system. From here voltage is stepped up to 230kV for transmission of energy via a to be constructed overhead generator tie-line that terminates at a new substation located adjacent to the hydrogen-ammonia plant. Reference the general site location map below in Figure 1 for the Port au Port peninsula (for general information only).
- World Energy GH2 is committed to Truth and Reconciliation Call to Action 92 and is working to ensure that Indigenous communities gain long-term, sustainable benefits from Project Nujio'qonik. As an affirmation of this commitment, World Energy GH2 has signed a MOU with the Qualipu First Nation and has partnerships with regional and community Nations.



Figure 1 - General Location of Port au Port Wind Farm near Stephenville

PROPOSED SCHEDULE

- Scope A – Site Characterization Geotechnical Investigation – Execute in Spring 2024.
- Scope B – Full Wind Farm Baseline Geotechnical Investigation – Anticipated to commence late summer 2024.

PRE-QUALIFICATION CRITERIA

Supplier's final responses to this EOI will support the pre-qualification of suppliers for receipt of the Request for Proposals for Scopes A and B. Supplier shall advise if the services will be self-performed or sub-contracted but must show capacity and capability to deliver the requirements covered by each individual part.

WEGH2 will assess supplier's response to this EOI using a pre-defined set of criteria that will at minimum include such factors as: health, safety and environmental track records, maturity of safety, environmental and quality, processes, the ability to meet technical requirements, relevant experience, commercial terms, current relationships with local businesses and First Nations groups, and available capacity.

DETAILED SCOPE OF SERVICES

Scope A – Site Characterization Geotechnical Investigation

The work scope shall include surveying, site layout and controls, the supply and installation of all materials, services, labor, and equipment, testing and commissioning to complete the site work as described herein and as shown on the Company provided drawings. The work shall include, but is not limited to:

- Collaborating with WEGH2 to finalize the proposed borehole locations.
- Developing project specific Health, Safety, Environmental and Quality Management Plans for the proposed site works.
- Supporting WEGH2 as required for permitting applications and permitting process for the field drilling program.
- Finalizing scope of drilling program, field and laboratory testing and format/content of geotechnical report to ensure consistent with requirements and expectations of wind turbine foundation designers.
- Verifying and confirming suitable access is available to each of the borehole sites for drilling equipment.
- Mobilization/demobilization to/from site, including the preparation of any temporary trails to support equipment mobilization to each drill site.
- Surveying of drill locations
- Executing and execute drilling program for approximately 10 boreholes within proposed wind farm area (~20m depth or auger refusal whichever occurs first) and minimum of 3m rock penetration.
- Executing drilling program for approximately 2 boreholes at the proposed collector sub-station area (~12m depth or auger refusal, whichever occurs first) and minimum of 3m rock penetration.
- Executing limited test pit program (by excavator).
- Performing Geophysical investigation
- Performing specialty tests, including Seismic Refraction Imaging, Multi-Channel Analysis of Surface Waves (MASW), Laboratory Testing, Electrical Resistivity Testing (field), and Thermal Resistivity Testing (laboratory).
- Preparing geotechnical report presenting the information and analysis from the field and laboratory testing programs and provide recommendations regarding the geotechnical engineering aspects of the projects design and construction.
- Coordinating the overall geotechnical program.
- Ensuring supplier's Quality Assurance and Quality Control is fully implemented, including adherence to WEGH2's mandatory hold points.
- Ensuring cleanup and site restoration at completion of field program.
- Contract closeout.

Scope B – Full Wind Farm Baseline Geotechnical Investigation

The work scope shall include the supply of all labour, construction, equipment, materials, and work necessary for the completion of a full wind farm baseline geotechnical investigation, inclusive of the services listed for Scope A, for up to approximately 150 to 170 turbine locations, collector sub-station and other project areas as determined in collaboration with WEGH2.