



OFFSHORE WIND EXPRESSION OF INTEREST

5 May 2025

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ACRONYMS

Table of acronyms	
BGPR	Bulk generation procurement rules
EOI	Expression of interest
EP	Evaluation panel
IR	Information request
IRP	Integrated resource plan
ITEI	Invitation to express interest
ITT	Invitation to tender
PPA	Power purchase agreement
RA	Regulatory Authority of Bermuda
RFQ	Request for qualification
TD&R	Transmission, distribution and retail (BELCO is the TD&R licensee)

1. INTRODUCTION

The Regulatory Authority of Bermuda (RA) is issuing the following Invitation to Express Interest (ITEI) to suitably experienced and qualified parties wishing to tender for the development of an offshore wind farm in the waters near Bermuda.

The 2019 [Integrated Resource Plan \(IRP\)](#) set an ambitious target of reaching 85% renewable energy generation by 2035. It was envisaged that the main contributor to achieving this target is developing approximately 60MW offshore wind capacity that we envisage would become operational by 2030.

1.1 ABOUT THE RA

The Regulatory Authority of Bermuda (RA) is an independent entity responsible for overseeing the electricity sector in accordance with the Regulatory Authority Act 2011 (RAA) and the Electricity Act 2016 (EA). The RA ensures a fair and transparent regulatory environment while safeguarding the interests of end-users. It plays a key role in the procurement of bulk generation by administering the competitive procurement process, establishing evaluation panels, and ensuring compliance with relevant legislation and procurement rules.

As part of the competitive procurement process, the RA is responsible for initiating and overseeing the procurement of bulk generation projects, including offshore wind energy. Specifically, the RA:

- Establishes an Evaluation Panel to administer the procurement process and ensure compliance with procurement rules and legislation.
- Consults with the Transmission, Distribution & Retail (TD&R) Licensee to assess grid interconnection requirements and necessary system upgrades.
- Oversees the Qualification and Tender Stages of the procurement process to ensure transparency and fairness.
- Ensures that bidders meet the pre-eligibility and eligibility criteria outlined in the procurement rules and solicitation documents.
- Selects the Preferred Bidder based on a multi-criteria evaluation process, ensuring the project aligns with national energy policy and regulatory frameworks.

The RA is committed to facilitating a fair, transparent, and competitive procurement process for offshore wind energy development in Bermuda. By ensuring compliance with regulatory frameworks, the RA aims to:

- Promote sustainable energy development in alignment with 2019 Integrated Resource Plan.
- Encourage private sector participation by establishing clear and structured procurement processes.
- Protect the interests of end-users by securing reliable, cost-effective, and environmentally responsible energy solutions.
- Maintain regulatory oversight to uphold the integrity and efficiency of the procurement process, ensuring that all stakeholders adhere to the established rules and guidelines.

Through this commitment, the RA seeks to advance Bermuda's transition to renewable energy while fostering innovation and investment in the offshore wind sector.

2. PROJECT INFORMATION

2.1 PROJECT ACTIVITIES

In pursuit of the renewable energy generation target set out in our IRP, the RA began exploring offshore wind in Bermuda. As part of the initial studies, the RA mapped out the key steps of the project and split them into:

- Pre-procurement activities
 - Pre-feasibility study
 - Wind measurements and seabed assessment
 - Stakeholder engagement
- Competitive procurement
 - Expression of interest
 - Qualification stage
 - Tender stage
- Post-procurement activities
 - Award
 - Negotiations, project preparation and licencing
 - Construction
 - Commissioning

2.2 PRIOR WORK

Since 2021, the RA commissioned a series of studies and activities to understand the viability of a potential offshore wind project in Bermuda and disseminate the information. These included:

- A [pre-feasibility study](#).
- Stakeholder engagement and additional studies on seabed assessments and wind measurement campaigns.
- An environmental scoping study.
- A public engagement campaign.

The activities carried out to date helped the RA to:

- Identify a suitable site for the proposed development based on identified constraints and engagement with relevant stakeholders.
- Gain understanding about the technology and arrive at a concept design.
- Obtain estimates the potential yield based on publicly available information and of the economic performance of the wind farm.
- Understand the environmental risks and mitigations.
- Understand the process of carrying out wind measurements and seabed assessments.

In addition to this, the RA carried out engagements with interested parties, such as Government, environmental organisations, the Transmission, Distribution & Retail (TD&R) licensee, and the public.

All relevant prior work will be made available to potential developers.

2.3 SITE AND SITE CONDITIONS

After a thorough process of examining and mapping various constraints, followed by engagements with the government, the RA identified a potentially suitable site located in the Lagoon, around 9km from shore north of St. George's Island (see Figure 1).

Figure 1 Proposed site and two potential cable routes

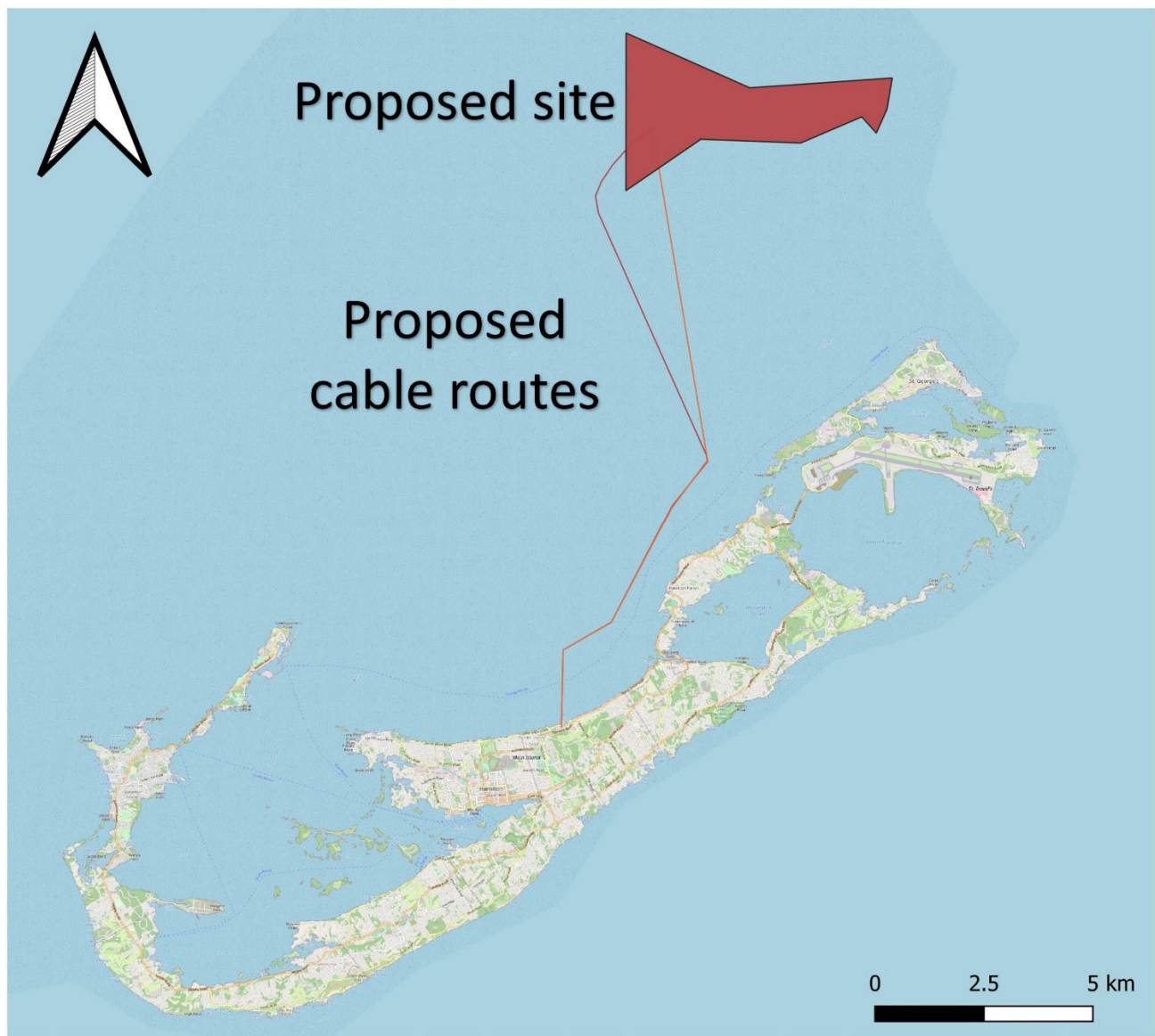


Table 1 provides details about the site characteristics.

Table 1 Site characteristics

Parameter	Description
Location	The site is located in the Bermuda Lagoon, within the Rim reef. The coordinates for the site are 32°26'N 64°44'W.
Area	Approximately 8km ² with potential to increase the available area.
Export cable route	Estimated to be around 17km to a point of connection at Tyne's Bay waste treatment facility. Shorter route could be possible as a conservative approach to bypassing environmental constraints was taken for the estimates.
Seabed	Flat, covered in sediment of currently unknown sheer properties.
Depth	Approximately 15m.

Further information on the site selection process, the proposed site and environmental considerations can be found in the publicly available studies conducted by the RA.

2.4 CONCEPT DESIGN AND KEY DRIVERS

The concept design developed at pre-feasibility stage is made up of 17 turbines, each with a capacity of 3.6MW resulting in a total installed capacity of 61.2MW. The reasons for opting for smaller turbines is that some key constraints were identified (see Table 2). For more information on the concept design, please refer to the [pre-feasibility report](#).

Table 2 Key constraints for an offshore wind development at the proposed site

Constraint	Description
Aviation constraints	The site is located within 15km of L.F.Wade International Airport, which means obstacles height restriction of 150m needs to be navigated.
Grid integration and Security of supply	Bermuda's electricity grid has an average demand of 60MW. Developing a small number of large turbines relative to the size of the total demand could potentially have a negative impact on security of supply. For example, a single 15MW turbine could account for 50% of the generation capacity when the

Constraint	Description
	demand is at its lowest (~30MW). Additionally, smaller turbines are deemed to introduce more flexibility to the operational strategy.

Some of the additional considerations that drove equipment and site selection are:

- Environmental constraints – coral cover, sea mammals, birds etc.
- Marine traffic – shipping and ferry lanes.
- Fishing activity – limiting access to commercial and recreational fisheries.
- Marine archeology – shipwrecks.
- Infrastructure – underwater cables.
- Visual impact.

2.5 COMPLEMENTARY STUDIES

The RA intends to carry out complementary studies on the offshore wind project to further inform and support tenderers. The RA identified two such studies – a wind resource assessment and a seabed assessment – the results of which will be made available to the developer by the RA.

2.5.1 Wind speeds

The RA will procure a wind measurement campaign aiming to provide one full year of high-resolution wind resource data, measured near the potential hub height. The objective is to produce a wind resource data set that can underpin a bankable resource assessment by the developer.

2.5.2 Seabed assessment

The RA will procure a seabed assessment with the view of establishing the conditions for development of offshore wind at the proposed site. The assessment will consist of desktop studies and a geophysical assessment. The geotechnical assessment will need to be carried out at a later stage by the developer when a detailed design is ready.

3. PROCUREMENT PROCESS

The [Bulk Generation Procurement Rules](#) (BGPR) set out the available routes to procuring generation projects.

For the Bermuda's offshore wind project, the RA selected a three-stage procurement process consisting of:

- Expression of interest (EOI)
- Request for qualification (RFQ)
- Invitation to tender (ITT)

The key stakeholders in this procurement process are:

- The RA as the procuring entity.
- The TD&R licensee (BELCO) as the generation offtaker.
- The Department of Estates as the entity responsible for the development area.

As per the BGPR, an Evaluation Panel (EP) has been set up according to the BGPR consisting of:

- David Simmons, Harbour Master, Department of Marine and Ports Services
- Jeane Nikoli, Permanent Secretary to the Ministry of the Cabinet Office, Former Director of Energy
- Kristy Woods- Financial Controller, The Regulatory Authority of Bermuda
- Nigel Burgess, Head of Regulation, The Regulatory Authority of Bermuda
- Shonette Harrison, Senior Manager- Energy, The Regulatory Authority of Bermuda
- Sudell Joseph, Senior Estates Surveyor, Department of Public Lands and Buildings

Prospective bidders can raise clarification questions by 5 August 2025. The EP will provide all prospective bidders a consolidated list of questions and responses.

Once EOI submissions are received, the EP may issue an Information Request (IR) to bidders to request additional information or ask clarification question. The IR will state the deadline by which the bidder should respond. Responses to IR's and additional information received from bidders will form part of their submission.

The evaluation process will include the following steps:

- Independent assessment by individual EP members.
- Collation of assessment by the Chairperson.
- Moderation meeting.
- Preparation of an assessment report.

The RA will notify bidders of the outcome of the evaluation at the conclusion of each stage of a competitive tendering process.

3.1 EXPRESSION OF INTEREST

This ITEI is part of the first stage of the procurement process. At this stage, the RA asks the bidders to:

- Express interest in participating in the qualification stage.
- Provide information about their company, professional and technical competence, and track record.
- Demonstrate they satisfy pre-eligibility criteria.

Only bidders that submit an EOI may proceed to subsequent stages of the procurement process.

3.2 REQUEST FOR QUALIFICATION

At the RFQ stage, the bidders will receive more detailed information about the project and are expected to meet a set of qualification criteria that have with a Pass/Fail outcome that cover legal requirements, financial health, partnership structures and professional and technical competence. All bidders that pass the RFQ stage will be invited to tender.

3.3 INVITATION TO TENDER

The ITT stage is the third stage of the process where the bidders are expected to submit a full technical and financial proposal.

At each stage the bidder will be evaluated by an Evaluation panel that could be made up of members of the RA, representatives of the Government, representatives of the TD&R licensee and outside experts.

All bidders are invited to familiarise themselves with the BGPR prior to expressing interest.

4. SCOPE OF THE EXPRESSION OF INTEREST

The purpose of this EOI is to invite developers with suitable experience, capacity and qualifications to express their interest in undertaking the following activities:

- Detailed design of an offshore wind farm, located at the proposed site in the territorial waters of Bermuda, which delivers the required capacity of 60MW and considers all constraints that are present.
- Procurement, construction, installation, and commissioning of the offshore wind farm, (the offshore wind turbines and their foundations, the electrical infrastructure of the offshore wind farm, including array cables, offshore substation, export cable and onshore substation).
- Ensure grid code compliance of the offshore wind farm to ensure seamless integration and operation.
- Operate the offshore wind farm and export electricity via a power purchase agreement (PPA) to the TD&R operator in Bermuda (BELCO).
- Put in place appropriate provisions for the decommissioning of the offshore wind farm.

With this document, the RA intends to:

- Inform potential developers about the offshore wind project in Bermuda.
- Provide details about the project, such as site selection, environmental considerations and identified constraints.
- Gauge the interest and appetite of potential developers to undertake the project.
- Collate and assess responses that will be taken to qualification stage.

5. DEVELOPER REQUIREMENTS

In this section, the RA outlines its expectations of potential bidders participating in the EOI proposal for the Bermuda offshore wind farm project. In their submissions, bidders are required to detail their experience, expertise and resources and cover each of the key areas mentioned below.

At this EOI stage, the EP will assess the submissions and assign a pass or fail mark against each category. Only companies that are awarded a pass mark in each category will be invited to participate in the Qualification stage.

5.1 COMPANY INFORMATION

The bidding entity is expected to provide high level information about the organisation and state readiness to provide evidence of financial health at subsequent tender stages, state its ability to secure funding for the project and state whether the organisation's current pipeline has the potential to be in conflict with the proposed timeline of the proposed Bermuda offshore wind development.

5.2 ORGANISATIONAL STRUCTURE AND KEY TEAM MEMBERS

The bidding entity is expected to provide an overview of the structure of their organisation (e.g. key departments, sectors where the organisation is active etc.) and to put forward a team with extensive offshore wind expertise and industry experience.

5.3 EXPERTISE, EXPERIENCE AND TRACK RECORD

The bidding entity is expected to describe the organisation's technical capabilities and expertise in offshore wind, and demonstrate a track record in the design, construction, and operation of offshore wind farms. This includes the ability to manage complex project schedules, mitigate risks and address potential delays proactively. They should also highlight previous experience in project development in the Caribbean or similar island context if available. Further to this, the bidding entity is expected to provide relevant industry certifications and awards.

5.4 INDICATIVE, NON-BINDING OFFTAKE PRICE

The bidding entity is expected to provide an indication of the expected range of the offtake price in \$/kWh for the proposed development. The offtake price range is non-binding and will not be competitively evaluated. The offtake price range will serve only as preliminary information to the RA.

5.5 ENVIRONMENTAL AND REGULATORY KNOWLEDGE

The bidder is expected to showcase a robust safety record including adherence to international standards in the construction, operation, and maintenance of offshore wind projects and also demonstrate how they will ensure the well-being and safety of project personnel, equipment and surrounding environment. The bidder is also expected to showcase their commitment to environmental sustainability.

The bidder is expected to state whether the organisation possesses any certifications related to health and safety or environmental standards.

6. RESPONSE TO THE EOI

Prospective bidders are expected to submit a formal response to the EOI using the submission template accompanying this ITEI. The supply of any incorrect information may result in disqualification of prospective bidders in subsequent stages of the procurement process.

Expressions of Interest should be sent by email to renewables@ra.bm by no later <11.59pm> on 5 August 2025.

7. PROCUREMENT TIMELINE

The indicative timeline for the procurement process and the complementary studies is presented in Table 3.

Table 3 Indicative timeline of the procurement process

Step	Dates
Submission of the EOI	5 th of August 2025
Evaluation of the EOI	August – September 2025
Submission of tenders for the complementary studies	29 th of August 2025
Evaluation of bids for complementary studies	September – October 2025
Procurement of the complementary studies	November 2025
Start of the Request for Qualifications stage	December 2025
Submission of RFQs	January 2026
Evaluation of RFQs	February – March 2026
Announcing the results of the Qualification stage	April 2026

Step	Dates
End of complementary studies and handover of results	2027
Strat of the Invitation to Tender stage	Q2 2027
Submission of tenders	Q3 2027
Evaluation of tenders	Q4 2027
Winning and reserve bidder announced	Q1 2028

8. DISCLAIMERS

- Non-binding: Submission of an EOI does not create a binding agreement or obligation for either the RA nor the interested party
- Liability: The RA assumes no liability for any costs incurred by bidders in the preparation of their submissions
- Right to amend: The RA reserves the right to amend or withdraw this EOI at any time without notice or liability
- Right to reject: The RA reserves the right to reject any or all EOIs without providing reasons
- No guarantee: Submission of an EOI does not guarantee participation in the project's subsequent phase
- Regulatory compliance: Bidders are responsible for ensuring compliance with all local laws and regulations
- Independent review: Bidders should conduct independent due diligence before participating in the project