REQUEST FOR PROPOSALS:

'RENEWABLE ENERGY LEARNING CENTER CONTENT DEVELOPMENT'

1. PURPOSE

The Nunacor Development Corporation is seeking proposals from qualified firms or teams for the design, development, fabrication, and delivery of ***Renewable Energy Learning Center Content*** to be showcased within the new Net Zero Cultural Center in Mary's Harbour, Labrador.

Turnkey proposals covering all components are encouraged, but proponents may also submit proposals for individual components such as curriculum development, scale model fabrication, kiosk software development, or exhibit design

2. PROJECT SUMMARY

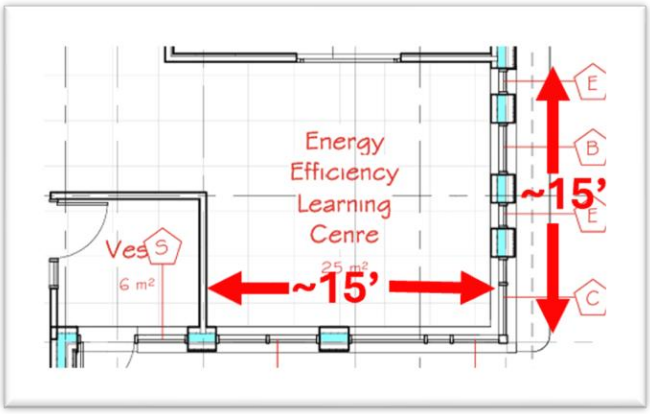
The Renewable Energy Learning Center will highlight the building's Passive House and Net Zero Carbon design strategies while clearly explaining the building's construction process. It will present information on renewable energy technologies—including solar, wind, hydro, and geothermal—through engaging, accessible content. The space will provide interactive touchscreen experiences, feature physical modular exhibits, and integrate real-time or near-real-time building performance data to create an informative, hands-on learning environment for visitors.

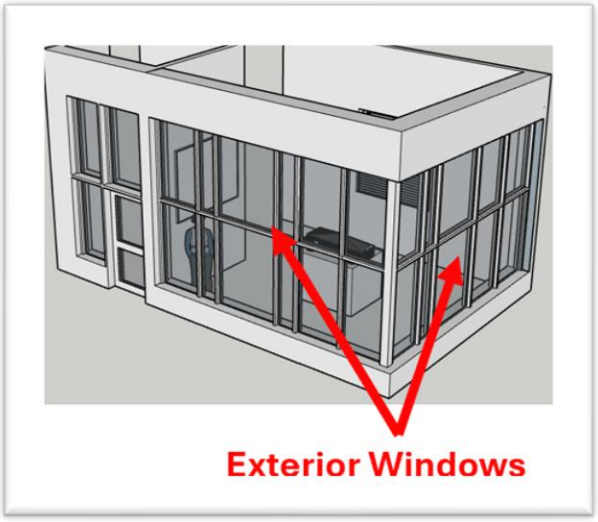
The successful proponent will work closely with Nunacor's technical staff throughout the development process to ensure accuracy, alignment, and seamless integration with project objectives. Nunacor will provide the proponent with all relevant building and site information, including architectural drawings, CAD files, technical specifications, and design documentation required for the creation of the scale model and physical exhibits. This collaboration will also support storyboard development, content validation, refinement of technical narratives, and the incorporation of project-specific environmental and energy strategies into the educational materials. Regular coordination meetings, content reviews, and iterative feedback will be expected to ensure that all digital and physical components accurately represent the building, site, and renewable energy systems as intended.

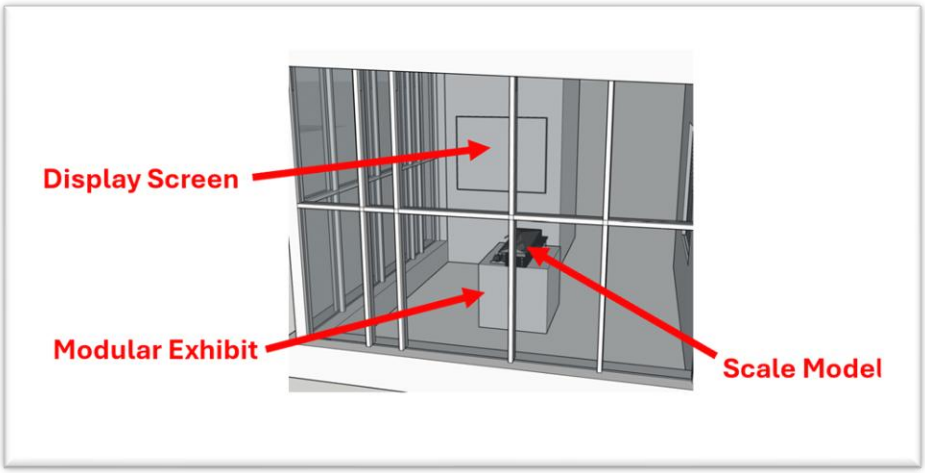
3. IDENTIFIED SPACE

The project space designated for the Renewable Energy Learning Center is approximately 225 square feet (15 feet by 15 feet) and is located within the new building in an area suitable for public engagement. The space is equipped with standard electrical service, data connections, and adequate wall surfaces for mounting screens and interpretive elements, as well as appropriate lighting conditions to support both digital and physical exhibits. All components developed through this RFP must be designed to fit, function, and integrate effectively within this footprint, allowing for circulation, accessibility, and safe interaction with modular exhibits and touchscreen interfaces.

The images below provide a visual reference for the Learning Center space, showing its overall dimensions and layout. They illustrate window locations that limit usable wall area, as well as proposed positions for the display screens, scale model, and modular exhibits.







4. SCOPE OF WORK

The Scope of Work outlines the full suite of services, deliverables, and expectations for the development of the Renewable Energy Learning Center, ensuring that all content, exhibits, and interactive components function cohesively within the designated space and meet the project's educational and operational objectives.

4.1 Content & Curriculum Development

The proponent will be responsible for developing a comprehensive, user-friendly curriculum that explains the building's Passive House and Net Zero Carbon design strategies, construction approach, and operational principles. This content must clearly present key building systems, including the envelope, mechanical systems, and site-related strategies, using accessible language and visual storytelling. In addition, the curriculum will cover a range of renewable energy technologies—including solar, wind, hydro, and geothermal—with an emphasis on their application and relevance in Labrador. All content must be modular, adaptable for touchscreen delivery, and suitable for a broad public audience, including youth and visitors with no technical background.

4.2 Interactive Touchscreen Kiosk Software

The proponent will develop a fully integrated touchscreen kiosk application that delivers the curriculum and interactive content in an intuitive, accessible format suitable for public use. The software must include clear navigation, engaging visual elements, and interactive features that support learning and exploration. It must function as standalone kiosk software compatible with commercial-grade hardware and be designed to operate offline with the ability to receive periodic updates. A key requirement is the integration of real-time or near-real-time building performance data, enabling visitors to view current information on energy use, energy production, indoor environmental performance, or other relevant metrics. The kiosk platform must be supported by a straightforward content update process.

4.3 Physical Exhibits

The proponent will design and fabricate durable, modular physical exhibits that support hands-on learning and visual understanding of the building and renewable energy systems. This includes a central feature scale model of the building and site that highlights Passive House and Net Zero Carbon strategies, potentially incorporating cutaway sections, lighting, or other interpretive elements to showcase design and construction details. Additional exhibits will illustrate renewable energy technologies such as hydro generation, wind turbines, solar panels, and geothermal, with clear demonstrations or labeled components that reinforce how each system operates. All exhibits must be safe, tamper-resistant, suitable for high-traffic public areas, and designed to fit within the designated space while allowing appropriate circulation.

4.4 Hardware Supplied

The project will include the supply and installation of all required hardware to support the operation of the Renewable Energy Learning Center. This will consist of two large screen displays: one dedicated to showcasing real-time or near-real-time building performance data, and the other used for presenting the developed educational content. A touchscreen interface will be provided to allow visitors to easily navigate and select the content displayed on the main screen. In addition to the digital hardware, the proponent will supply all modular exhibit stands required to support the physical components of the Learning Center. These exhibits will include a feature scale model of the building and site, as well as a renewable energy display highlighting technologies such as hydro, solar, wind, and geothermal systems. All hardware must be durable, accessible, and fully integrated with the overall exhibit design.

4.5 Installation and Coordination

The proponent will oversee the full coordination and installation of all Learning Center components, ensuring integration with the building's infrastructure and alignment with the design intent. This includes providing detailed design documentation, shop drawings, and renderings for review prior to fabrication. The proponent will deliver, assemble, and install all exhibits, models, and technology onsite, working in coordination with the building team as required. They will also provide staff training, user guides, warranties, and maintenance documentation to support ongoing operation of both physical and digital components. Clear communication and collaboration throughout the process are essential to ensure all elements are delivered on schedule and meet quality expectations

5. PROPOSAL OPTIONS

Proponents may submit proposals for the full turnkey development of the Renewable Energy Learning Center or, alternatively, for individual components of the project such as curriculum development, kiosk software, scale model fabrication, or modular exhibit design. Team-based submissions that combine the expertise of multiple firms are also encouraged, and proponents may identify subcontractors or partnerships as part of their delivery approach. This flexible structure is intended to ensure strong competition and accommodate vendors with specialized capabilities while still allowing for comprehensive, end-to-end proposals from full-service providers. Proponents should clearly indicate which components they are proposing to deliver and outline any assumptions, partnerships, or exclusions in their submission.

6. DELIVERABLES

The proponent will be expected to provide a complete set of deliverables that ensure the fully functional development, installation, and long-term usability of the Renewable Energy Learning Center. Deliverables include:

- Fully developed educational content and curriculum materials
- All visual assets, graphics, illustrations, and source files
- A fully functional touchscreen kiosk application
- Integration of real-time or near-real-time building performance data
- A high-quality scale model of the building and site
- Modular renewable energy exhibit components
- Delivery, assembly, and installation of all physical elements
- User training for staff and operators
- Operational and maintenance documentation
- Applicable warranties for digital and physical components

7. TIMELINE

The following timeline outlines the key milestones and deadlines associated with this RFP and project delivery. Key Dates:

- RFP Issued: February 11, 2026
- Deadline for Questions: March 6, 2026
- Responses to Questions Issued: March 13, 2026
- RFP Closing Date: March 20, 2026, at 2:00 PM NST
- Contract Award: To be determined
- Design and Development Phase: To be proposed by proponent
- Fabrication Phase: To be proposed by proponent

8. SUBMISSION REQUIREMENTS

Proponents must include all information necessary to evaluate their capability, approach, and capacity to successfully deliver the project. Submissions must include:

- Company profile and background
- Team members and assigned roles
- Detailed work plan, methodology, and approach
- Conceptual approach or preliminary design ideas (if available)
- Project schedule with key milestones
- Detailed cost breakdown by component and totals
- Description of relevant past projects and experience
- Identification of subcontractors, if applicable
- Assumptions or exclusions

9. SUBMISSION INSTRUCTIONS

Proposals are to be sent by email to:

construction@nunacor.com

Subject Line: *Renewable Energy Learning Center Content Development – RFP*

10. CONFIDENTIALITY

All submitted proposals and subsequent discussions will be treated as confidential. We look forward to your response and appreciate your interest in supporting this project.